

ELECTRICAL BOARDS
AND CONSULTING
FOR REFRIGERATION

CATALOGUE
2021





diecielectric.it

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SERIES

GF

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SERIES

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SERIES

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SERIES

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SERIES

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SERIES

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SERIES

BS

Electric panels for refrigerated counter

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SERIES UM

Electric panel for condensing unit

PANEL BOARD SERIES

UM series for management of condensing units has been designed for a simple and flexible use. All devices of the UM series are assembled with the best materials on the market. The overall quality, although very high, does not affect the good relationship *value for money*. The use of electronic thermal and magnetothermic protection makes it possible to manage multiple applications with very few codes.

UM16M _ UM4 _ UM12 _ UM16
UM25 _ UM40 _ UM45 _ UM50 _ UM80

PANEL CODE	UM16M	UM4	UM12
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DESCRIPTION	Electric panel for condensing unit with single-phase compressor max 10A and fans.	Electric panel for condensing unit with three phase compressor with adjustment range from 1 ... 4A and single phase fans.	Electric panel for condensing unit with three phase compressor with adjustment range from 3 ... 12A and single phase fans.
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TECHNICAL FEATURES

BOX SIZE	220*275*140 mm	220*275*140 mm	220*275*140 mm
BOX SIZE COMPLETE WITH DOOR LOCK	220*275*175 mm	220*275*175 mm	220*275*175 mm
WEIGHT	3Kg	4Kg	4Kg
BOX LEVEL OF PROTECTION	IP65	IP65	IP65
RELATIVE HUMIDITY OF THE ENVIRONMENT	<90% RH	<90% RH	<90% RH
STORAGE TEMPERATURE	-10÷+60°C	-10÷+60°C	-10÷+60°C
WORKING TEMPERATURE	-5÷+45°C	-5÷+45°C	-5÷+45°C
SUPPLY	230V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz
COMPRESSOR PROTECTION	Magnetothermic	Electric thermal relay	Electric thermal relay
SIGNALING AND ALARM	Led	Led	Led

INPUTS

PRESSURE SWITCH-HIGH/ LOW PRESSURE	Standard	Standard	Standard
KRIWAN	Standard	Standard	Standard
FUNCT. PUMP DOWN/ THERMOSTAT	Standard	Standard	Standard



PANEL CODE	UM16M	UM4	UM12
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OUTPUT

COMPRESSOR	Single phase Max 10A	Three-phase adjustable range from 1...4A	Three-phase adjustable range from 3...12A
CONDENSING FANS	Single phase 850W	Single phase 850W	Single phase 850W
SOLENOIDE FAN	Standard	Standard	Standard

OPTIONAL ACCESSORIES

ALARM RELAY

✓

✓

✓



UM16M *



UM4 *



UM12 *

*Accessories: fixing brackets provided

All products have the possibility of customization with your own brand.
Customization requires a minimum of lots to be established at the order stage.

PANEL CODE	UM16	UM25	UM40
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DESCRIPTION	Electric panel for condensing unit with three phase compressor with adjustment range from 1...16A and single phase fans.	Electric panel for condensing unit with three phase compressor with adjustment range from 6...25A and single/ three phase fans	Electric panel for condensing unit with three phase compressor with adjustment range from 10...40A and single/ three phase fans
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TECHNICAL FEATURES

BOX SIZE	220*275*140 mm	370*275*175 mm	600*400*200 mm
BOX SIZE COMPLETE WITH DOOR LOCK	220*275*175 mm	370*275*175 mm	600*400*235 mm
WEIGHT	4Kg	6Kg	8Kg
BOX LEVEL OF PROTECTION	IP65	IP65	IP65
RELATIVE HUMIDITY OF THE ENVIRONMENT	<90% RH	<90% RH	<90% RH
STORAGE TEMPERATURE	-10÷+60°C	-10÷+60°C	-10÷+60°C
WORKING TEMPERATURE	-5÷+45°C	-5÷+45°C	-5÷+45°C
SUPPLY	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz
COMPRESSOR PROTECTION	electric thermal relay	electric thermal relay	electric thermal relay
SIGNALING AND ALARM	Led	Led	Led
ISOLATION TRASFORMATION	/	Standard	Standard

INPUTS

DIFF. PRESSURE SWITCH OIL	/	Standard	Standard
PRESSURE SWITCH-HIGH/ LOW PRESSURE	Standard	Standard	Standard
KRIWAN	Standard	Standard	Standard
PRESS. PARTIALIZATION FANS	/	Standard	Standard
FUNCT. PUMP DOWN/ THERMOSTAT	Standard	Standard	Standard



PANEL CODE	UM16	UM25	UM40
OUTPUT			
COMPRESSOR	Three-phase adjustable range from 4...16A	Three-phase adjustable range from 6...25A	Three-phase adjustable range from 10...40A
CONDENSING FANS	Single phase 850W	2 single / three-phase 1200/2000W	3 single / three-phase 1200/2000W
SOLENOIDE FAN	Standard	Standard	Standard
CRANKCASE RESISTANCE		Standard	Standard
ALARM RELAY	Optional	Standard	Standard

OPTIONAL ACCESSORIES

ALARM RELAY	✓	Standard	Standard
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UM16 *



UM25 *



UM40 *

*Accessories: fixing brackets provided

All products have the possibility of customization with your own brand.
Customization requires a minimum of lots to be established at the order stage.

PANEL CODE	UM45	UM50	UM80
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DESCRIPTION	Electric panel for condensing unit with three-phase compressor with adjustable range from 12.5...50A and 3 fans single / three-phase.	Electric panel for condensing unit with three-phase compressor with adjustable range from 12...50A PWS starter and 3 fans single / three-phase.	Electric panel for condensing unit with three-phase compressor with adjustable range from 20...80A PWS starter and 3 fans single / three-phase.
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TECHNICAL FEATURES

BOX SIZE	600*400*200 mm	600*400*200 mm	600*400*200 mm
BOX SIZE COMPLETE WITH DOOR LOCK	600*400*235 mm	600*400*235 mm	600*400*235 mm
WEIGHT	9Kg	10Kg	12Kg
BOX LEVEL OF PROTECTION	IP65	IP65	IP65
RELATIVE HUMIDITY OF THE ENVIRONMENT	<90% RH	<90% RH	<90% RH
STORAGE TEMPERATURE	-10÷+60°C	-10÷+60°C	-10÷+60°C
WORKING TEMPERATURE	-5÷+45°C	-5÷+45°C	-5÷+45°C
SUPPLY	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz
COMPRESSOR PROTECTION	electric thermal relay	electric thermal relay	electric thermal relay
SIGNALING AND ALARM	Led	Led	Led
ISOLATION TRASFORMATION	Standard	Standard	Standard

INPUTS

DIFF. PRESSURE SWITCH OIL	Standard	Standard	Standard
PRESSURE SWITCH-HIGH/ LOW PRESSURE	Standard	Standard	Standard
KRIWAN	Standard	Standard	Standard
PRESS. PARTIALIZATION FANS	Standard	Standard	Standard
FUNCT. PUMP DOWN/ THERMOSTAT	Standard	Standard	Standard



PANEL CODE	UM45	UM50	UM80
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OUTPUT

COMPRESSOR	Three-phase adjustable range from 12.5...50A	Three-phase adjustable range from 12...50A	Three-phase adjustable range from 20...80A
CONDENSING FANS	3 mono/ three-phase 1200W/2000W	3 mono/ three-phase 1200W/2000W	3 mono/ three-phase 1200W/2000W
SOLENOIDE FAN	Standard	Standard	Standard
CARTER ELECTRICAL RESISTANCE	Standard	Standard	Standard
ALARM RELAY	Standard	Standard	Standard



UM50 *




UM50 *



UM80 *

* **Accessories:** fixing brackets provided

All products have the possibility of customization with your own brand.
Customization requires a minimum of lots to be established at the order stage.



Highest accuracy and great efficiency during the assembly sequence of the standard switchboards.



S E R I E S

GFM

Dieci Electronic

Electric panel for single-phase cold room

PANEL BOARD SERIES

The GFM SERIES electrical panels have been designed for the management and control of single-phase cold rooms.

The GFM SERIES can also manage the double evaporator thanks to its controller. It is the ideal solution for those who want to combine highest operational efficiency and ease of use.

GFM _ GFM MD _ GFM SB

PANEL CODE	GFM	GFM MD	GFM SB
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DESCRIPTION	Electrical panel for single-phase cold rooms.	Electrical panel for single-phase cold rooms with integrated 16A 0.03 differential magnetothermic switch.	Electrical panel for single-phase cold rooms with enhanced Three-phase defrosting.
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TECHNICAL FEATURES

ELECTRONIC	Dieci Electric	Dieci Electric	Dieci Electric
BOX SIZE	262*179*x95.6 mm	262*179*95,6 mm	262*179*95,6 mm
WEIGHT	1Kg	1Kg	1Kg
BOX LEVEL OF PROTECTION	IP65	IP65	IP65
RELATIVE HUMIDITY OF THE ENVIRONMENT	<90% RH	<90% RH	<90% RH
STORAGE TEMPERATURE	-10÷+60°C	-10÷+60°C	-10÷+60°C
WORKING TEMPERATURE	-5÷+45°C	-5÷+45°C	-5÷+45°C
SUPPLY	230V AC ±10% 50-60Hz	230V AC ±10% 50-60Hz	230V AC ±10% 50-60Hz
PROTECTION	/	Thermoswitch 16A 0,03	/
WARNING SIGNAL	Led+Display	Led+Display	Led+Display
DEFROSTING MANAGEMENT WITH CLOCK	RTC	RTC	RTC

INPUTS

ROOM PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
EVAPORATOR PROBE 1	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
EVAPORATOR PROBE 2	NTC 10 Ohm 1%	NTC 10 Ohm 1%	/
CONFIGURABLE INPUT	Standard	Standard	Standard
MICRO DOOR	Standard	Standard	Standard

PANEL CODE	GFM	GFM MD	GFM SB
OUTPUT			
COMPRESSOR	Max 10A AC3	Max 10A AC3	Max 10A AC3
DEFROSTING 1	1500W AC1	1500W AC1	8000W (3*2600) AC1
DEFROSTING 2	1500W AC1	1500W AC1	
EVAPORATOR FANS	550W	550W	550W
ELECTRONIC SINGLE-POLE VALVE			
LIGHT CELL	850W AC1	850W AC1	850W AC1
ALARM RELAY	Standard	Standard	Standard

OPTIONAL ACCESSORIES

RS485/WIFI**

✓

✓

✓



GFM *



GFM MD *



GFM SB *

* Accessories: fixing brackets provided
 ** Communication card for in cloud supervision

All products have the possibility of customization with your own brand.
 Customization requires a minimum of lots to be established at the order stage.



Basic panel of GF SERIES with high technical performance. The set-up includes a clock and the possibility of managing up to 2 evaporators and 6 relays. The RCD is available in the GFM MD SERIES.



SERIES

GFM

DIECI ELECTRONIC

Electric panel for single-phase cold room

PANEL BOARD SERIES WITH VALVE

The GFM SERIES electrical panels have been designed for the management and control of single-phase cold rooms **with a 260mA single-pole electronic valve.**

It is the ideal solution for those who want to combine maximum operational efficiency and ease of use.

The versatility of this SERIES is even more appreciable.

GFM ELECTRONIC _ GFM MD ELECTRONIC _ GFM SB ELECTRONIC

PANEL CODE	GFM ELECTRONIC	GFM MD ELECTRONIC	GFM SB ELECTRONIC
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DESCRIPTION	Electrical panel for single-phase cold rooms with single-pole electronic valve.	Electrical panel for single-phase cold rooms with 16A 0.03 differential magnetothermal switch integrated with single-pole electronic valve.	Electrical panel for single-phase cold rooms with three-phase enhanced defrosting with single-pole electronic valve.
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TECHNICAL FEATURES

ELECTRONIC	Dieci Electric	Dieci Electric	Dieci Electric
BOX SIZE	262*179*95,6 mm	262*179*95,6 mm	262*179*95,6 mm
WEIGHT	1Kg	1Kg	1Kg
BOX LEVEL OF PROTECTION	IP65	IP65	IP65
RELATIVE HUMIDITY OF THE ENVIRONMENT	<90% RH	<90% RH	<90% RH
STORAGE TEMPERATURE	-10÷+60°C	-10÷+60°C	-10÷+60°C
WORKING TEMPERATURE	-5÷+45°C	-5÷+45°C	-5÷+45°C
SUPPLY	230V AC ±10% 50-60Hz	230V AC ±10% 50-60Hz	230V AC ±10% 50-60Hz
PROTECTION	Thermoswitch 16A 0.03		
WARNING SIGNAL	Led+Display	Led+Display	Led+Display
ISOLATING TRANSFORMER	RTC	RTC	RTC

INPUTS

CELL PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
EVAPORATOR PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
SUCTION PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
PRESSURE PROBE	4-20mA	4-20mA	4-20mA
CONFIGURABLE INPUT	Standard	Standard	Standard
MICRO DOOR	Standard	Standard	Standard

PANEL CODE	GFM ELECTRONIC	GFM MD ELECTRONIC	GFM SB ELECTRONIC
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OUTPUT

COMPRESSOR	Max 10A AC3	Max 10A AC3	Max 10A AC3
DEFROSTING	1500W AC1	1500W AC1	8000W (3*2600) AC1
EVAPORATOR FANS	550W	550W	550W
ELECTRONIC SINGLE-POLE VALVE	Max 260mA distance 9m	Max 260mA distance 9m	Max 260mA distance 9m
LIGHT CELL	850W AC1	850W AC1	850W AC1
ALARM RELAY	Standard	Standard	Standard

OPTIONAL ACCESSORIES

RS485/WIFI**

✓

✓

✓



GFM ELECTRONIC *



GFM MD ELECTRONIC *



GFM SB ELECTRONIC *

* Accessories: fixing brackets provided
 ** Communication card for in cloud supervision

All products have the possibility of customization with your own brand.
 Customization requires a minimum of lots to be established at the order stage.



GF SERIES electrical panel,
designed to offer great
compactness, ease of
installation, accessibility
and use.



S E R I E S

GF

DIECI ELECTRONIC

Electrical panels for three-phase cold rooms

**COMPLETE
PANEL BOARD SERIES**

The GF SERIES electrical panels have been designed for the management and control of complete Three-phase cold rooms. It is the ideal solution for those who want to combine maximum operational efficiency and ease of use. The versatility of this SERIES is even more appreciable. In fact, the customer will be able to request the electronic that best suits their needs by choosing from different brands of leading companies in the sector. Maximum efficiency and versatility of assembly to guarantee an excellent relationship between costs and benefits. The use of electronic thermals and magnetothermic protections makes it possible to manage multiple applications with very few codes.

GF4 _ GF12 _ GF16 _ GF25 _ GF40 _ GF50

PANEL CODE	GF4	GF12	GF16
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DESCRIPTION	Electric panel for three-phase cold rooms complete with compressor with adjustable range with electronic thermal from 1... 4A.	Electric panel for three-phase cold rooms complete with compressor with adjustable range with electronic thermal from 3... 12A.	Electric panel for three-phase cold rooms complete with compressor with adjustable range with electronic thermal from 4... 16A.
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TECHNICAL FEATURES

ELECTRONIC	Dieci Electric	Dieci Electric	Dieci Electric
BOX SIZE	370*275*175 mm	370*275*175 mm	370*275*175 mm
BOX SIZE COMPLETE WITH DOOR LOCK	370*275*175 mm	370*275*175 mm	370*275*175 mm
WEIGHT	5Kg	5Kg	5Kg
BOX LEVEL OF PROTECTION	IP65	IP65	IP65
RELATIVE HUMIDITY OF THE ENVIRONMENT	<90% RH	<90% RH	<90% RH
STORAGE TEMPERATURE	-10÷+60°C	-10÷+60°C	-10÷+60°C
WORKING TEMPERATURE	-5÷+45°C	-5÷+45°C	-5÷+45°C
SUPPLY	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz
COMPRESSOR PROTECTION	Electric thermal relay	Electric thermal relay	Electric thermal relay
GENERAL PROTECTION	Standard Thermoswitch	Standard Thermoswitch	Standard Thermoswitch
SIGNALING AND ALARM	Led+Display	Led+Display	Led+Display
DEFROSTING MANAGEMENT WITH CLOCK	RTC	RTC	RTC

INPUTS

CELL PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
EVAPORATOR PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
KWIWAN INPUT	Standard	Standard	Standard
HIGH/LOW GENERAL PRESSURE SWITCH INPUT	Standard	Standard	Standard
MICRO DOOR	Standard	Standard	Standard

PANEL CODE	GF4	GF12	GF16
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OUTPUT

COMPRESSOR	Three-phase adjustable range from 1...4A	Three-phase adjustable range from 3...12A	Three-phase adjustable range from 4...16A
CONDENSING FANS	850W single-phase	850W single-phase	850W single-phase
ELECTRIC DEFROSTING	10500W three-phase	10500W three-phase	13000W three-phase
EVAPORATOR FANS	850W single-phase	850W single-phase	850W single-phase
SOLENOIDE FAN	Standard	Standard	Standard
OIL COMPRESSOR RESISTANCE	Standard	Standard	Standard
LIGHT CELL	850W single-phase	850W single-phase	850W single-phase
ALARM RELAY	Standard	Standard	Standard

OPTIONAL ACCESSORIES

RS485/WIFI**

✓

✓

✓



GF4 *



GF12 *



GF16 *

* Accessories: fixing brackets provided
 ** Communication card for in cloud supervision

All products have the possibility of customization with your own brand.
 Customization requires a minimum of lots to be established at the order stage.

PANEL CODE	GF25	GF40	GF50
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DESCRIPTION	Electric panel for three-phase cold rooms complete with compressor with adjustable range with electronic thermal from 6... 25A.	Electric panel for three-phase cold rooms complete with compressor with adjustable range with electronic thermal from 10... 40A.	Electric panel for three-phase cold rooms complete with compressor with adjustable range with electronic thermal from 12.5... 50A.
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TECHNICAL FEATURES

ELECTRONIC	Dieci Electric	Dieci Electric	Dieci Electric
BOX SIZE	600*400*200 mm	600*400*200 mm	600*400*200 mm
BOX SIZE COMPLETE WITH DOOR LOCK	600*400*235 mm	600*400*235 mm	600*400*235 mm
WEIGHT	13kg	23kg	26kg
BOX LEVEL OF PROTECTION	IP65	IP65	IP65
RELATIVE HUMIDITY OF THE ENVIRONMENT	<90% RH	<90% RH	<90% RH
STORAGE TEMPERATURE	-10÷+60°C	-10÷+60°C	-10÷+60°C
WORKING TEMPERATURE	-5÷+45°C	-5÷+45°C	-5÷+45°C
SUPPLY	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz
COMPRESSOR PROTECTION	Electric thermal relay	Electric thermal relay	Electric thermal relay
GENERAL PROTECTION	Standard Thermoswitch	Standard Thermoswitch	Standard Thermoswitch
SIGNALING AND ALARM	Led+Display	Led+Display	Led+Display
DEFROSTING MANAGEMENT WITH CLOCK	RTC	RTC	RTC

INPUTS

CELL PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
EVAPORATOR PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
KWIWAN INPUT	Standard	Standard	Standard
HIGH/LOW GENERAL PRESSURE SWITCH INPUT	Standard	Standard	Standard
OIL DIFFERENTIAL PRESSURE SWITCH INPUT	Standard	Standard	Standard



PANEL CODE	GF25	GF40	GF50
OUTPUT			
COMPRESSOR	Three-phase adjustable range from 6...25A	Three-phase adjustable range from 10...40A	Three-phase adjustable range from 12,5...50A
CONDENSING FANS	2 from 1200W single-phase 1 from 2000W three-phase	2 from 1200W single-phase 1 from 2000W three-phase	2 from 1200W single-phase 1 from 2000W three-phase
ELECTRIC DEFROSTING	18000W three-phase	22000W three-phase	33000W three-phase
EVAPORATOR FANS	1 from 1200W single-phase 1 from 2000W three-phase	3 from 1200W single-phase 1 from 2000W three-phase	3 from 1200W single-phase 1 from 2000W three-phase
SOLENOIDE FAN	Standard	Standard	Standard
OIL COMPRESSOR RESISTANCE	Standard	Standard	Standard
LIGHT CELL	Standard (Voltage free contact)	Standard (Voltage free contact)	Standard (Voltage free contact)
ALARM RELAY	Standard	Standard	Standard

OPTIONAL ACCESSORIES

RS485/WIFI**

✓

✓

✓



GF25 *



GF40 *



GF50 *

* Accessories: fixing brackets provided
 ** Communication card for in cloud supervision

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The large, modernly designed display installed on the control board offers a bright control layout and a simple graphical interface that facilitates the use of the device.



SERIES

GF

DIECI ELECTRONIC

Electrical panels for three-phase cold rooms

**COMPLETE
PANEL BOARD SERIES
WITH ELECTRONIC VALVES**

The electrical panels of the SERIES GF-Electronic have been designed for the management and control of three-phase cold rooms complete with single-pole electronic valve up to 260mA.

It is the ideal solution for those who want to combine maximum operational efficiency and ease of use.

The use of electronic thermals and magnetothermic protections makes it possible to manage multiple applications with very few codes.

GF4 ELECTRONIC _ GF12 ELECTRONIC _ GF16 ELECTRONIC

PANEL CODE	GF4 ELECTRONIC	GF12 ELECTRONIC	GF16 ELECTRONIC
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DESCRIPTION	Electric panel for cold rooms Three-phase complete with compressor with adjustable range with electronic thermal from 1... 4A with single-pole electronic valve.	Electric panel for cold rooms Three-phase complete with compressor with adjustable range with electronic thermal from 3... 12A with single-pole electronic valve.	Electric panel for cold rooms Three-phase complete with compressor with adjustable range with electronic thermal from 4... 16A with single-pole electronic valve.
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TECHNICAL FEATURES

ELECTRONIC	Dieci Electric	Dieci Electric	Dieci Electric
BOX SIZE	370*275*175 mm	370*275*175 mm	370*275*175 mm
BOX SIZE COMPLETE WITH DOOR LOCK	370*275*175 mm	370*275*175 mm	370*275*175 mm
WEIGHT	5Kg	5Kg	5Kg
BOX LEVEL OF PROTECTION	IP65	IP65	IP65
RELATIVE HUMIDITY OF THE ENVIRONMENT	<90% RH	<90% RH	<90% RH
STORAGE TEMPERATURE	-10÷+60°C	-10÷+60°C	-10÷+60°C
WORKING TEMPERATURE	-5÷+45°C	-5÷+45°C	-5÷+45°C
SUPPLY	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz
COMPRESSOR PROTECTION	Electric thermal relay	Electric thermal relay	Electric thermal relay
GENERAL PROTECTION	Standard Thermoswitch	Standard Thermoswitch	Standard Thermoswitch
SIGNALING AND ALARM	Led+Display	Led+Display	Led+Display
DEFROSTING MANAGEMENT WITH CLOCK	RTC	RTC	RTC

INPUTS

CELL PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
EVAPORATOR PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
SUCTION PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
PRESSURE PROBE	4-20mA	4-20mA	4-20mA
KWIWAN INPUT	Standard	Standard	Standard
HIGH/LOW GENERAL PRESSURE SWITCH INPUT	Standard	Standard	Standard
MICRO DOOR	Standard	Standard	Standard



PANEL CODE	GF4 ELECTRONIC	GF12 ELECTRONIC	GF16 ELECTRONIC
OUTPUT			
COMPRESSOR	Three-phase adjustable range from 1...4A	Three-phase adjustable range from 3...12A	Three-phase adjustable range from 4...16A
CONDENSING FANS	850W single-phase	850W single-phase	850W single-phase
ELECTRIC DEFROSTING	10500W three-phase	10500W three-phase	13000W three-phase
EVAPORATOR FANS	850W single-phase	850W single-phase	850W single-phase
SOLENOID FAN	Standard	Standard	Standard
ELECTRONIC SINGLE-POLE VALVE	Max 260mA distance 9m	Max 260mA distance 9m	Max 260mA distance 9m
OIL COMPRESSOR RESISTANCE	Standard	Standard	Standard
LIGHT CELL	850W single-phase	850W single-phase	850W single-phase
ALARM RELAY	Standard	Standard	Standard

OPTIONAL ACCESSORIES

RS485/WIFI**

✓

✓

✓



GF4 ELECTRONIC *



GF12 ELECTRONIC *



GF16 ELECTRONIC *

* Accessories: fixing brackets provided
 ** Communication card for in cloud supervision

All products have the possibility of customization with your own brand.
 Customization requires a minimum of lots to be established at the order stage.



Entry level power panel
GF SERIES assembled using
high-end components.
Designed to offer a solution
capable of combining
operational efficiency with
low costs.



S E R I E S

GF D

Electronic Dixell

Electrical panels for three-phase cold rooms

**COMPLETE
PANEL BOARD SERIES**

The SERIES GF electrical panels have been designed for the management and control of complete Three-phase cold rooms. It is the ideal solution for those who want to combine maximum operational efficiency and ease of use. The versatility of this SERIES is even more appreciable.

In fact, the customer will be able to request the electronic that best suits their needs by choosing from different brands of leading companies in the sector.

Maximum efficiency and versatility of assembly to guarantee an excellent relationship between costs and benefits.

The use of electronic thermals and magnetothermic protections makes it possible to manage multiple applications with very few codes.

GF4 D _ GF12 D _ GF16 D _ GF25 D _ GF40 D _ GF50 D

PANEL CODE	GF4 D	GF12 D	GF16 D
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DESCRIPTION	Electric panel for three-phase cold rooms complete with compressor with adjustable range with electronic thermal from 1... 4A.	Electric panel for three-phase cold rooms complete with compressor with adjustable range with electronic thermal from 3... 12A.	Electric panel for three-phase cold rooms complete with compressor with adjustable range with electronic thermal from 4... 16A.
-------------	--	---	---

TECHNICAL FEATURES

ELECTRONIC	Dixell	Dixell	Dixell
BOX SIZE	370*275*175 mm	370*275*175 mm	370*275*175 mm
BOX SIZE COMPLETE WITH DOOR LOCK	370*275*175 mm	370*275*175 mm	370*275*175 mm
WEIGHT	5Kg	5Kg	5Kg
BOX LEVEL OF PROTECTION	IP65	IP65	IP65
RELATIVE HUMIDITY OF THE ENVIRONMENT	<90% RH	<90% RH	<90% RH
STORAGE TEMPERATURE	-10÷+60°C	-10÷+60°C	-10÷+60°C
WORKING TEMPERATURE	-5÷+45°C	-5÷+45°C	-5÷+45°C
SUPPLY	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz
COMPRESSOR PROTECTION	Thermal overload relay	Thermal overload relay	Thermal overload relay
GENERAL PROTECTION	Standard Thermoswitch	Standard Thermoswitch	Standard Thermoswitch
SIGNALING AND ALARM	Led+Display	Led+Display	Led+Display

INPUTS

CELL PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
EVAPORATOR PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
KWIWAN INPUT	Standard	Standard	Standard
HIGH/LOW GENERAL PRESSURE SWITCH INPUT	Standard	Standard	Standard
MICRO DOOR	Standard	Standard	Standard



PANEL CODE	GF4 D	GF12 D	GF16 D
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OUTPUT

COMPRESSOR	Three-phase adjustable range from 1...4A	Three-phase adjustable range from 3...12A	Three-phase adjustable range from 4...16A
CONDENSING FANS	850W single-phase	850W single-phase	850W single-phase
ELECTRIC DEFROSTING	10500W three-phase	10500W three-phase	13000W three-phase
EVAPORATOR FANS	850W single-phase	850W single-phase	850W single-phase
SOLENOID FAN	Standard	Standard	Standard
OIL COMPRESSOR RESISTANCE	Standard	Standard	Standard
LIGHT CELL	850W single-phase	850W single-phase	850W single-phase

OPTIONAL ACCESSORIES

RS485**

✓

✓

✓



GF4 D *



GF12 D *



GF16 D *

* Accessories: fixing brackets provided
 ** Communication card for supervision

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 Customization requires a minimum of lots to be established at the order stage.

PANEL CODE	GF25 D	GF40 D	GF50 D
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DESCRIPTION	Electric panel for three-phase cold rooms complete with compressor with adjustable range with electronic thermal from 6... 25A.	Electric panel for three-phase cold rooms complete with compressor with adjustable range with electronic thermal from 10... 40A.	Electric panel for three-phase cold rooms complete with compressor with adjustable range with electronic thermal from 12.5... 50A.
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TECHNICAL FEATURES

ELECTRONIC	Dixell	Dixell	Dixell
BOX SIZE	600*400*200 mm	600*400*200 mm	600*400*200 mm
BOX SIZE COMPLETE WITH DOOR LOCK	600*400*235 mm	600*400*235 mm	600*400*235 mm
WEIGHT	13Kg	23Kg	26Kg
BOX LEVEL OF PROTECTION	IP65	IP65	IP65
RELATIVE HUMIDITY OF THE ENVIRONMENT	<90% RH	<90% RH	<90% RH
STORAGE TEMPERATURE	-10÷+60°C	-10÷+60°C	-10÷+60°C
WORKING TEMPERATURE	-5÷+45°C	-5÷+45°C	-5÷+45°C
SUPPLY	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz
COMPRESSOR PROTECTION	Electric thermal relay	Electric thermal relay	Electric thermal relay
GENERAL PROTECTION	Standard Thermoswitch	Standard Thermoswitch	Standard Thermoswitch
SIGNALING AND ALARM	Led+Display	Led+Display	Led+Display

INPUTS

CELL PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
EVAPORATOR PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
KWIWAN INPUT	Standard	Standard	Standard
HIGH/LOW GENERAL PRESSURE SWITCH INPUT	Standard	Standard	Standard
OIL DIFFERENTIAL PRESSURE SWITCH INPUT	Standard	Standard	Standard
MICRO DOOR	Standard	Standard	Standard



PANEL CODE	GF25 D	GF40 D	GF50 D
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OUTPUT

COMPRESSOR	Three-phase adjustable range from 6...25A	Three-phase adjustable range from 10...40A	Three-phase adjustable range from 12,5...50A
CONDENSING FANS	2 from 1200W single-phase 1 from 2000W three-phase	2 from 1200W single-phase 1 from 2000W three-phase	2 from 1200W single-phase 1 from 2000W three-phase
ELECTRIC DEFROSTING	18000W three-phase	22000W three-phase	33000W three-phase
EVAPORATOR FANS	1 from 1200W single-phase 1 from 2000W three-phase	3 from 1200W single-phase 1 from 2000W three-phase	3 from 1200W single-phase 1 from 2000W three-phase
SOLENOIDE FAN	Standard	Standard	Standard
OIL COMPRESSOR RESISTANCE	Standard	Standard	Standard
LIGHT CELL	Standard (Voltage free contact)	Standard (Voltage free contact)	Standard (Voltage free contact)

OPTIONAL ACCESSORIES

RS485**

✓

✓

✓



GF25 D *



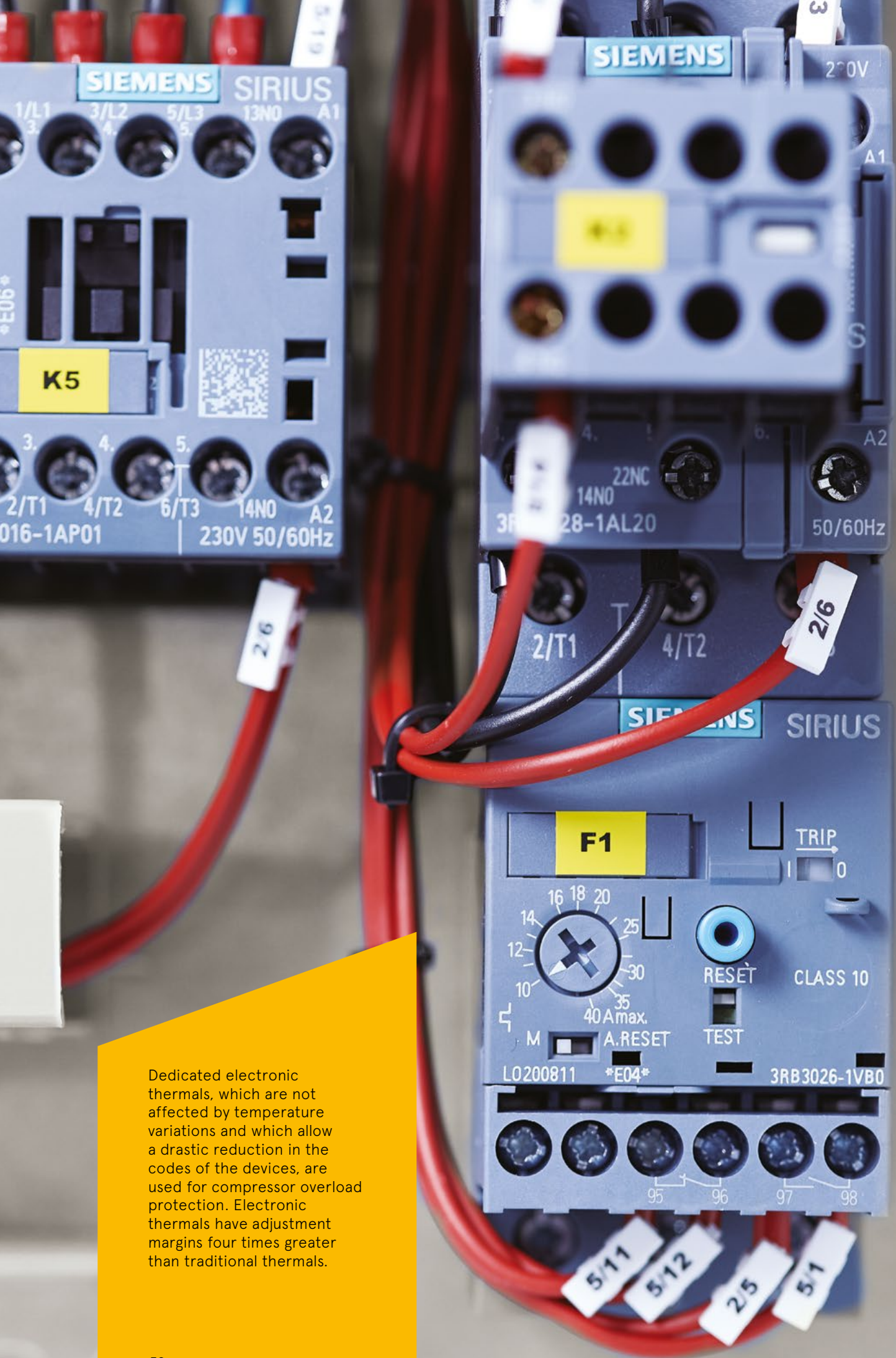
GF40 D *



GF50 D *

* Accessories: fixing brackets provided
 ** Communication card for supervision

All products have the possibility of customization with your own brand.
 Customization requires a minimum of lots to be established at the order stage.



Dedicated electronic thermals, which are not affected by temperature variations and which allow a drastic reduction in the codes of the devices, are used for compressor overload protection. Electronic thermals have adjustment margins four times greater than traditional thermals.



S E R I E S

GF C

Electronic Carel

Electrical panels for three-phase cold rooms

**COMPLETE
PANEL BOARD SERIES**

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The use of electronic thermals and magnetothermic protections makes it possible to manage multiple applications with very few codes.

GF4 C _ GF12 C _ GF16 C _ GF25 C _ GF40 C _ GF50 C

PANEL CODE	GF4 C	GF12 C	GF16 C
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DESCRIPTION	Electric panel for three-phase cold rooms complete with compressor with adjustable range with electronic thermal from 1... 4A.	Electric panel for three-phase cold rooms complete with compressor with adjustable range with electronic thermal from 3... 12A.	Electric panel for three-phase cold rooms complete with compressor with adjustable range with electronic thermal from 4... 16A.
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TECHNICAL FEATURES

ELECTRONIC	Carel	Carel	Carel
BOX SIZE	370*275*175 mm	370*275*175 mm	370*275*175 mm
BOX SIZE COMPLETE WITH DOOR LOCK	370*275*175 mm	370*275*175 mm	370*275*175 mm
WEIGHT	5Kg	5Kg	5Kg
BOX LEVEL OF PROTECTION	IP65	IP65	IP65
RELATIVE HUMIDITY OF THE ENVIRONMENT	<90% RH	<90% RH	<90% RH
STORAGE TEMPERATURE	-10÷+60°C	-10÷+60°C	-10÷+60°C
WORKING TEMPERATURE	-5÷+45°C	-5÷+45°C	-5÷+45°C
SUPPLY	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz
COMPRESSOR PROTECTION	Electric thermal relay	Electric thermal relay	Electric thermal relay
GENERAL PROTECTION	Standard Thermoswitch	Standard Thermoswitch	Standard Thermoswitch
SIGNALING AND ALARM	Led+Display	Led+Display	Led+Display

INPUTS

CELL PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
EVAPORATOR PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
KWIWAN INPUT	Standard	Standard	Standard
HIGH/LOW GENERAL PRESSURE SWITCH INPUT	Standard	Standard	Standard
MICRO DOOR	Standard	Standard	Standard



PANEL CODE	GF4 C	GF12 C	GF16 C
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OUTPUT

COMPRESSOR	Three-phase adjustable range from 1...4A	Three-phase adjustable range from 3...12A	Three-phase adjustable range from 4...16A
CONDENSING FANS	850W single-phase	850W single-phase	850W single-phase
ELECTRIC DEFROSTING	10500W three-phase	10500W three-phase	10500W three-phase
EVAPORATOR FANS	850W single-phase	850W single-phase	850W single-phase
SOLENOID FAN	Standard	Standard	Standard
OIL COMPRESSOR RESISTANCE	Standard	Standard	Standard
LIGHT CELL	850W single-phase	850W single-phase	850W single-phase

OPTIONAL ACCESSORIES

RS485**

✓

✓

✓



GF4 C *



GF12 C *



GF16 C *

* Accessories: fixing brackets provided
 ** Communication card for supervision

All products have the possibility of customization with your own brand.
 Customization requires a minimum of lots to be established at the order stage.

PANEL CODE	GF25 C	GF40 C	GF50 C
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DESCRIPTION	Electric panel for three-phase cold rooms complete with compressor with adjustable range with electronic thermal from 6... 25A.	Electric panel for three-phase cold rooms complete with compressor with adjustable range with electronic thermal from 10... 40A.	Electric panel for three-phase cold rooms complete with compressor with adjustable range with electronic thermal from 12.5... 50A.
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TECHNICAL FEATURES

ELECTRONIC	Carel	Carel	Carel
BOX SIZE	600*400*200 mm	600*400*200 mm	600*400*200 mm
BOX SIZE COMPLETE WITH DOOR LOCK	600*400*235 mm	600*400*235 mm	600*400*235 mm
WEIGHT	13Kg	23Kg	26Kg
BOX LEVEL OF PROTECTION	IP65	IP65	IP65
RELATIVE HUMIDITY OF THE ENVIRONMENT	<90% RH	<90% RH	<90% RH
STORAGE TEMPERATURE	-10÷+60°C	-10÷+60°C	-10÷+60°C
WORKING TEMPERATURE	-5÷+45°C	-5÷+45°C	-5÷+45°C
SUPPLY	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz
COMPRESSOR PROTECTION	Electric thermal relay	Electric thermal relay	Electric thermal relay
GENERAL PROTECTION	Standard Thermoswitch	Standard Thermoswitch	Standard Thermoswitch
SIGNALING AND ALARM	Led+Display	Led+Display	Led+Display

INPUTS

CELL PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
EVAPORATOR PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
KWIWAN INPUT	Standard	Standard	Standard
HIGH/LOW GENERAL PRESSURE SWITCH INPUT	Standard	Standard	Standard
OIL DIFFERENTIAL PRESSURE SWITCH INPUT	Standard	Standard	Standard
MICRO DOOR	Standard	Standard	Standard



PANEL CODE	GF25 C	GF40 C	GF50 C
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OUTPUT

COMPRESSOR	Three-phase adjustable range from 6...25A	Three-phase adjustable range from 10...40A	Three-phase adjustable range from 12,5...50A
CONDENSING FANS	2 from 1200W single-phase 1 from 2000W three-phase	2 from 1200W single-phase 1 from 2000W three-phase	2 from 1200W single-phase 1 from 2000W three-phase
ELECTRIC DEFROSTING	18000W three-phase	22000W three-phase	33000W three-phase
EVAPORATOR FANS	1 from 1200W single-phase 1 from 2000W three-phase	3 from 1200W single-phase 1 from 2000W three-phase	3 from 1200W single-phase 1 from 2000W three-phase
SOLENOID FAN	Standard	Standard	Standard
OIL COMPRESSOR RESISTANCE	Standard	Standard	Standard
LIGHT CELL	Standard (Voltage free contact)	Standard (Voltage free contact)	Standard (Voltage free contact)

OPTIONAL ACCESSORIES

RS485**

✓

✓

✓



GF25 C *




GF40 C *



GF50 C *

* Accessories: fixing brackets provided
 ** Communication card for supervision

All products have the possibility of customization with your own brand.
 Customization requires a minimum of lots to be established at the order stage.



To protect the system, to ensure greater safety and ease of restoration in the event of an intervention, we install top-of-the-range thermoswitch to replace obsolete fuses.



S E R I E S

GF E

Electronic Eliwell

Electrical panels for three-phase cold rooms

**COMPLETE
PANEL BOARD SERIES**

The SERIES GF electrical panels have been designed for the management and control of complete Three-phase cold rooms. It is the ideal solution for those who want to combine maximum operational efficiency and ease of use. The versatility of this SERIES is even more appreciable. In fact, the customer will be able to request the electronic that best suits their needs by choosing from different brands of leading companies in the sector. Maximum efficiency and versatility of assembly to guarantee an excellent relationship between costs and benefits.

The use of electronic thermals and magnetothermic protections makes it possible to manage multiple applications with very few codes.

GF4 E _ GF12 E _ GF16 E _ GF25 E _ GF40 E _ GF50 E

PANEL CODE	GF4 E	GF12 E	GF16 E
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DESCRIPTION	Electric panel for three-phase cold rooms complete with compressor with adjustable range with electronic thermal from 1... 4A.	Electric panel for three-phase cold rooms complete with compressor with adjustable range with electronic thermal from 3... 12A.	Electric panel for three-phase cold rooms complete with compressor with adjustable range with electronic thermal from 4... 16A.
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TECHNICAL FEATURES

ELECTRONIC	Eliwell	Eliwell	Eliwell
BOX SIZE	370*275*175 mm	370*275*175 mm	370*275*175 mm
BOX SIZE COMPLETE WITH DOOR LOCK	370*275*175 mm	370*275*175 mm	370*275*175 mm
WEIGHT	5Kg	5Kg	5Kg
BOX LEVEL OF PROTECTION	IP65	IP65	IP65
RELATIVE HUMIDITY OF THE ENVIRONMENT	<90% RH	<90% RH	<90% RH
STORAGE TEMPERATURE	-10÷+60°C	-10÷+60°C	-10÷+60°C
WORKING TEMPERATURE	-5÷+45°C	-5÷+45°C	-5÷+45°C
SUPPLY	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz
COMPRESSOR PROTECTION	Electric thermal relay	Electric thermal relay	Electric thermal relay
GENERAL PROTECTION	Standard Thermoswitch	Standard Thermoswitch	Standard Thermoswitch
SIGNALING AND ALARM	Led+Display	Led+Display	Led+Display

INPUTS

CELL PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
EVAPORATOR PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
KWIWAN INPUT	Standard	Standard	Standard
HIGH/LOW GENERAL PRESSURE SWITCH INPUT	Standard	Standard	Standard
MICRO DOOR	Standard	Standard	Standard



PANEL CODE	GF4 E	GF12 E	GF16 E
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OUTPUT

COMPRESSOR	Three-phase adjustable range from 1...4A	Three-phase adjustable range from 3...12A	Three-phase adjustable range from 4...16A
CONDENSING FANS	850W single-phase	850W single-phase	850W single-phase
ELECTRIC DEFROSTING	10500W Three-phase	10500W Three-phase	13000W Three-phase
EVAPORATOR FANS	850W single-phase	850W single-phase	850W single-phase
SOLENOIDE FAN	Standard	Standard	Standard
OIL COMPRESSOR RESISTANCE	Standard	Standard	Standard
LIGHT CELL	850W single-phase	850W single-phase	Standard (Voltage free contact)

OPTIONAL ACCESSORIES

RS485**

✓

✓

✓



GF4 E *



GF12 E *



GF16 E *

* Accessories: fixing brackets provided
 ** Communication card for supervision

All products have the possibility of customization with your own brand.
 Customization requires a minimum of lots to be established at the order stage.

PANEL CODE	GF25 E	GF40 E	GF50 E
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DESCRIPTION	Electric panel for three-phase cold rooms complete with compressor with adjustable range with electronic thermal from 6... 25A.	Electric panel for three-phase cold rooms complete with compressor with adjustable range with electronic thermal from 10... 40A.	Electric panel for three-phase cold rooms complete with compressor with adjustable range with electronic thermal from 12.5... 50A.
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TECHNICAL FEATURES

Electronic	Eliwell	Eliwell	Eliwell
BOX SIZE	600*400*200 mm	600*400*200 mm	600*400*200 mm
BOX SIZE COMPLETE WITH DOOR LOCK	600*400*235 mm	600*400*235 mm	600*400*235 mm
WEIGHT	13Kg	23Kg	26Kg
BOX LEVEL OF PROTECTION	IP65	IP65	IP65
RELATIVE HUMIDITY OF THE ENVIRONMENT	<90% RH	<90% RH	<90% RH
STORAGE TEMPERATURE	-10÷+60°C	-10÷+60°C	-10÷+60°C
WORKING TEMPERATURE	-5÷+45°C	-5÷+45°C	-5÷+45°C
SUPPLY	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz
COMPRESSOR PROTECTION	Electric thermal relay	Electric thermal relay	Electric thermal relay
GENERAL PROTECTION	Standard thermoswitch	Standard thermoswitch	Standard thermoswitch
SIGNALING AND ALARM	Led+Display	Led+Display	Led+Display

INPUTS

CELL PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
EVAPORATOR PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
KWIWAN INPUT	Standard	Standard	Standard
HIGH/LOW GENERAL PRESSURE SWITCH INPUT	Standard	Standard	Standard
OIL DIFFERENTIAL PRESSURE SWITCH INPUT	/	Standard	Standard
MICRO DOOR	Standard	Standard	Standard



PANEL CODE	GF25 E	GF40 E	GF50 E
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OUTPUT

COMPRESSOR	Three-phase adjustable range from 6...25A	Three-phase adjustable range from 10...40A	Three-phase adjustable range from 12,5...50A
CONDENSING FANS	2 from 1200W single-phase 1 from 2000W three-phase	2 from 1200W single-phase 1 from 2000W three-phase	2 from 1200W single-phase 1 from 2000W three-phase
ELECTRIC DEFROSTING	18000W three-phase	25000W three-phase	33000W three-phase
EVAPORATOR FANS	1 from 1200W single-phase 1 from 2000W Three-phase	3 from 1200W single-phase 1 from 2000W Three-phase	3 from 1200W single-phase 1 from 2000W Three-phase
SOLENOIDE FAN	Standard	Standard	Standard
OIL COMPRESSOR RESISTANCE	Standard	Standard	Standard
LIGHT CELL	Standard (Voltage free contact)	Standard (Voltage free contact)	Standard (Voltage free contact)

OPTIONAL ACCESSORIES

RS485**

✓

✓

✓



GF25 E *



GF40 E *



GF50 E *

* Accessories: fixing brackets provided
 ** Communication card for in cloud supervision

All products have the possibility of customization with your own brand.
 Customization requires a minimum of lots to be established at the order stage.



In addition to assembling each device taking into account the technical and construction quality of the individual internal components, we pay great attention to the strength and quality of the materials of the external structures. These are already equipped with fixing brackets that allow quick and easy installation.



SERIES

GF CR

Remote controller

Electrical panels for three-phase cold rooms

COMPLETE PANEL BOARD SERIES

The SERIES GF electrical panels have been designed for the management and control of complete Three-phase cold rooms. It is the ideal solution for those who want to combine maximum operational efficiency and ease of use. The versatility of this SERIES is even more appreciable. The customer, in fact, will be able to interface the panel with the remote electronic instrument more suited to his needs. This solution is ideal for those who want to install the panel away from the cold room and manage it with a remote instrument on the front. Maximum efficiency and versatility of assembly to guarantee an excellent relationship between costs and benefits. The use of electronic thermals and magnetothermic protections makes it possible to manage multiple applications with very few codes.

GF4 CR _ GF12 CR _ GF16 CR _ GF25 CR
GF40 CR _ GF50 CR

PANEL CODE	GF4 CR	GF12 CR	GF16 CR
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DESCRIPTION	Electric panel for three-phase cold rooms complete with compressor with adjustable range with electronic thermal from 1... 4A.	Electric panel for three-phase cold rooms complete with compressor with adjustable range with electronic thermal from 3... 12A.	Electric panel for three-phase cold rooms complete with compressor with adjustable range with electronic thermal from 4... 16A.
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TECHNICAL FEATURES

ELECTRONIC	Remote control external to the pane (not included)	Remote control external to the pane (not included)	Remote control external to the pane (not included)
BOX SIZE	370*275*175 mm	370*275*175 mm	370*275*175 mm
BOX SIZE COMPLETE WITH DOOR LOCK	370*275*175 mm	370*275*175 mm	370*275*175 mm
WEIGHT	5Kg	5Kg	5Kg
BOX LEVEL OF PROTECTION	IP65	IP65	IP65
RELATIVE HUMIDITY OF THE ENVIRONMENT	<90% RH	<90% RH	<90% RH
STORAGE TEMPERATURE	-10÷+60°C	-10÷+60°C	-10÷+60°C
WORKING TEMPERATURE	-5÷+45°C	-5÷+45°C	-5÷+45°C
SUPPLY	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz
COMPRESSOR PROTECTION	Electric thermal relay	Electric thermal relay	Electric thermal relay
GENERAL PROTECTION	Standard Thermoswitch	Standard Thermoswitch	Standard Thermoswitch
SIGNALING AND ALARM	Led+Display	Led+Display	Led+Display

INPUTS

CELL PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
EVAPORATOR PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
KWIWAN INPUT	Standard	Standard	Standard
HIGH/LOW GENERAL PRESSURE SWITCH INPUT	Standard	Standard	Standard



PANEL CODE	GF4 CR	GF12 CR	GF16 CR
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OUTPUT

COMPRESSOR	Three-phase adjustable range from 1...4A	Three-phase adjustable range from 3...12A	Three-phase adjustable range from 4...16A
CONDENSING FANS	850W single-phase	850W single-phase	850W single-phase
ELECTRIC DEFROSTING	10500W three-phase	10500W three-phase	10500W three-phase
EVAPORATOR FANS	850W single-phase	850W single-phase	850W single-phase
SOLENOIDE FAN	Standard	Standard	Standard
OIL COMPRESSOR RESISTANCE	Standard	Standard	Standard
LIGHT CELL	850W single-phase	850W single-phase	850W single-phase



GF4 CR *



GF12 CR *



GF16 CR *

* **Accessories:** fixing brackets provided

All products have the possibility of customization with your own brand.
Customization requires a minimum of lots to be established at the order stage.

PANEL CODE	GF25 CR	GF40 CR	GF50 CR
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DESCRIPTION	Electric panel for three-phase cold rooms complete with compressor with adjustable range with electronic thermal from 6... 25A.	Electric panel for three-phase cold rooms complete with compressor with adjustable range with electronic thermal from 10... 40A.	Electric panel for three-phase cold rooms complete with compressor with adjustable range with electronic thermal from 12.5... 50A.
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TECHNICAL FEATURES

ELECTRONIC	Remote control external to the pane (not included)	Remote control external to the pane (not included)	Remote control external to the pane (not included)
BOX SIZE	600*400*200 mm	600*400*200 mm	600*400*200 mm
BOX SIZE COMPLETE WITH DOOR LOCK	600*400*235 mm	600*400*235 mm	600*400*235 mm
WEIGHT	12Kg	22Kg	25Kg
BOX LEVEL OF PROTECTION	IP65	IP65	IP65
RELATIVE HUMIDITY OF THE ENVIRONMENT	<90% RH	<90% RH	<90% RH
STORAGE TEMPERATURE	-10÷+60°C	-10÷+60°C	-10÷+60°C
WORKING TEMPERATURE	-5÷+45°C	-5÷+45°C	-5÷+45°C
SUPPLY	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz
COMPRESSOR PROTECTION	Electric thermal relay	Electric thermal relay	Electric thermal relay
GENERAL PROTECTION	Standard Thermoswitch	Standard Thermoswitch	Standard Thermoswitch
SIGNALING AND ALARM	Led	Led	Led

INPUTS

KWIWAN INPUT	Standard	Standard	Standard
HIGH/LOW GENERAL PRESSURE SWITCH INPUT	Standard	Standard	Standard
OIL DIFFERENTIAL PRESSURE SWITCH INPUT	Standard	Standard	Standard



PANEL CODE	GF25-CR	GF40-CR	GF50-CR
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OUTPUT

COMPRESSOR	Three-phase adjustable range from 6...25A	Three-phase adjustable range from 10...40A	Three-phase adjustable range from 12,5...50A
CONDENSING FANS	2 from 1200W single-phase 1 from 2000W three-phase	2 from 1200W single-phase 1 from 2000W three-phase	2 from 1200W single-phase 1 from 2000W three-phase
ELECTRIC DEFROSTING	18000W three-phase	22000W three-phase	33000W three-phase
EVAPORATOR FANS	1 from 1200W single-phase 1 from 2000W three-phase	3 from 1200W single-phase 1 from 2000W three-phase	3 from 1200W single-phase 1 from 2000W three-phase
SOLENOIDE FAN	Standard	Standard	Standard
OIL COMPRESSOR RESISTANCE	Standard	Standard	Standard



GF25 CR *



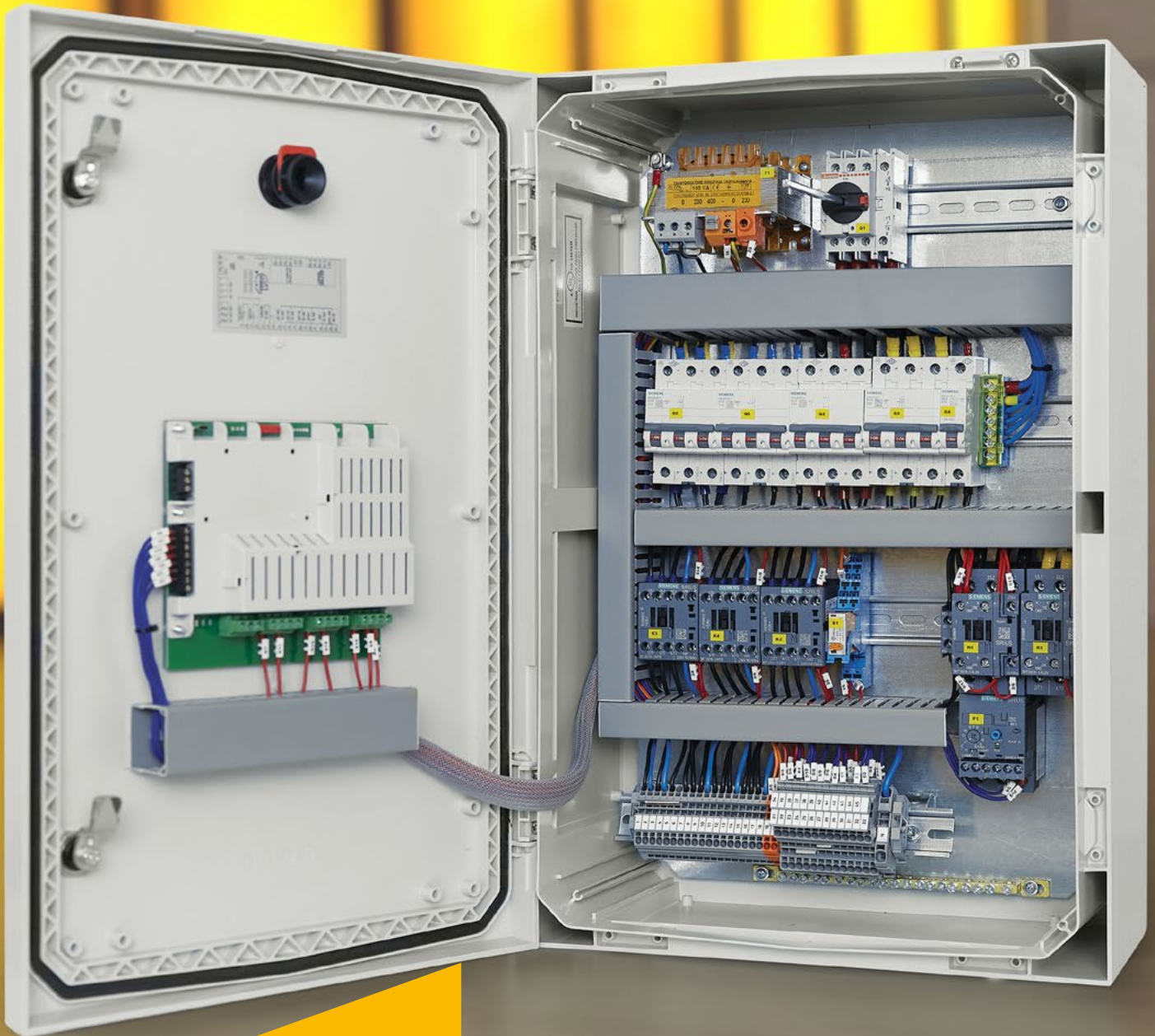
GF40 CR *



GF50 CR *

* **Accessories:** fixing brackets provided

All products have the possibility of customization with your own brand.
Customization requires a minimum of lots to be established at the order stage.



The general architecture of each device provides for the optimal management of internal spaces to allow easy accessibility.



SERIES

FC

DIECI ELECTRONIC

Electrical panels for three-phase cold rooms

**COMPLETE
PANEL BOARD SERIES**

The SERIES of FC cabinet front electrical panels, for the management and control of the evaporating unit only, have been designed to facilitate simple and intuitive use.

It was designed to give the customer the opportunity to choose the electronic that best suits their needs from different brands of manufacturing companies.

The whole SERIES FC is assembled with devices among the best on the market both for TECHNICAL FEATURES and for the good **value for money**.

Standard magnetothermic protections guarantee a high level of efficiency and functionality of the electrical panels.

FC6 _ FC10 _ FC16 _ FC21 _ FC32
FC41 _ FC66 _ FC1010 _ FC1616

PANEL CODE	FC6	FC10	FC16
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DESCRIPTION	Electrical panel for cold rooms evaporating unit only with electric defrost up to 6kW.	Electrical panel for cold rooms evaporating unit only with electric defrost up to 10kW.	Electrical panel for cold rooms evaporating unit only with electric defrost up to 16kW.
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TECHNICAL FEATURES

ELECTRONIC	Dieci Electric	Dieci Electric	Dieci Electric
BOX SIZE	370*275*175 mm	370*275*175 mm	370*275*175 mm
BOX SIZE COMPLETE WITH DOOR LOCK	370*275*175 mm	370*275*175 mm	370*275*175 mm
WEIGHT	5Kg	5Kg	6Kg
BOX LEVEL OF PROTECTION	IP65	IP65	IP65
RELATIVE HUMIDITY OF THE ENVIRONMENT	<90% RH	<90% RH	<90% RH
STORAGE TEMPERATURE	-10÷+60°C	-10÷+60°C	-10÷+60°C
WORKING TEMPERATURE	-5÷+45°C	-5÷+45°C	-5÷+45°C
SUPPLY	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz
GENERAL PROTECTION	Standard Thermoswitch	Standard Thermoswitch	Standard Thermoswitch
SIGNALING AND ALARM	Led+Display	Led+Display	Led+Display
DEFROSTING MANAGEMENT WITH CLOCK	RTC	RTC	RTC

INPUTS

CELL PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
EVAPORATOR PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
ALARM INPUT FROM UNIT	Standard	Standard	Standard
MICRO DOOR	Standard	Standard	Standard



PANEL CODE	FC6	FC10	FC16
OUTPUT			
ELECTRIC DEFROST	6000W three-phase	10000W three-phase	16000W three-phase
EVAPORATOR FANS	2000W single-phase/4000W three-phase	2000W single-phase/4000W three-phase	2000W single-phase/4000W three-phase
SOLENOIDE FAN	Standard	Standard	Standard
LIGHT CELL	850W single-phase	850W single-phase	850W single-phase
UNITY CONSENT	Standard (Voltage free contact)	Standard (Voltage free contact)	Standard (Voltage free contact)
ALARM RELAY	Standard	Standard	Standard

OPTIONAL ACCESSORIES

RS485/WIFI**

✓

✓

✓



FC6 *



FC10 *



FC16 *

* Accessories: fixing brackets provided
 ** Communication card for in cloud supervision

All products have the possibility of customization with your own brand.
 Customization requires a minimum of lots to be established at the order stage.

PANEL CODE	FC21	FC32	FC41
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DESCRIPTION	Electrical panel for cold rooms evaporating unit only with electric defrost up to 21kW.	Electrical panel for cold rooms evaporating unit only with electric defrost up to 32kW.	Electrical panel for cold rooms evaporating unit only with electric defrost up to 41kW.
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TECHNICAL FEATURES

ELECTRONIC	Dieci Electric	Dieci Electric	Dieci Electric
BOX SIZE	600*400*200 mm	600*400*200 mm	600*400*200 mm
BOX SIZE COMPLETE WITH DOOR LOCK	600*400*235 mm	600*400*235 mm	600*400*235 mm
WEIGHT	12Kg	20Kg	20Kg
BOX LEVEL OF PROTECTION	IP65	IP65	IP65
RELATIVE HUMIDITY OF THE ENVIRONMENT	<90% RH	<90% RH	<90% RH
STORAGE TEMPERATURE	-10÷+60°C	-10÷+60°C	-10÷+60°C
WORKING TEMPERATURE	-5÷+45°C	-5÷+45°C	-5÷+45°C
SUPPLY	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz
GENERAL PROTECTION	Standard thermoswitch	Standard thermoswitch	Standard Thermoswitch
SIGNALING AND ALARM	Led+Display	Led+Display	Led+Display
DEFROSTING MANAGEMENT WITH CLOCK	RTC	RTC	RTC

INPUTS

CELL PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
EVAPORATOR PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
ALARM INPUT FROM UNIT	Standard	Standard	Standard
MICRO DOOR	Standard	Standard	Standard



PANEL CODE	FC21	FC32	FC41
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OUTPUT

ELECTRIC DEFROST	21000W three-phase	32000W three-phase	41000W three-phase
EVAPORATOR FANS	3 from 1000W single-phase 3 from 2000W three-phase	4 from 1500W single-phase 4 from 3000W three-phase	4 from 1500W single-phase 4 from 3000W three-phase
SOLENOIDE FAN	Standard	Standard	Standard
LIGHT CELL	Standard (Voltage free contact)	Standard (Voltage free contact)	Standard (Voltage free contact)
UNITY CONSENT	Standard (Voltage free contact)	Standard (Voltage free contact)	Standard (Voltage free contact)
ALARM RELAY	Standard	Standard	Standard

OPTIONAL ACCESSORIES

RS485/WIFI**

✓

✓

✓



FC21 *



FC32 *



FC41 *

* Accessories: fixing brackets provided
 ** Communication card for in cloud supervision

All products have the possibility of customization with your own brand.
 Customization requires a minimum of lots to be established at the order stage.

PANEL CODE	FC66	FC1010	FC1616
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DESCRIPTION	Electrical panel for cold rooms only evaporating unit double evaporator with electric defrost up to 6kW.	Electric panel for cold rooms only double evaporator evaporator unit with electric defrost up to 10kW.	Electrical panel for cold rooms only evaporating unit double evaporator with electric defrost up to 16kW.
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TECHNICAL FEATURES

ELECTRONIC	Dieci Electric	Dieci Electric	Dieci Electric
BOX SIZE	600*400*200 mm	600*400*200 mm	600*400*200 mm
BOX SIZE COMPLETE WITH DOOR LOCK	600*400*235 mm	600*400*235 mm	600*400*235 mm
WEIGHT	12Kg	12Kg	13Kg
BOX LEVEL OF PROTECTION	IP65	IP65	IP65
RELATIVE HUMIDITY OF THE ENVIRONMENT	<90% RH	<90% RH	<90% RH
STORAGE TEMPERATURE	-10÷+60°C	-10÷+60°C	-10÷+60°C
WORKING TEMPERATURE	-5÷+45°C	-5÷+45°C	-5÷+45°C
SUPPLY	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz
GENERAL PROTECTION	Standard thermoswitch	Standard thermoswitch	Standard thermoswitch
SIGNALING AND ALARM	Led+Display	Led+Display	Led+Display
DEFROSTING MANAGEMENT WITH CLOCK	RTC	RTC	RTC

INPUTS

CELL PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
EVAPORATOR PROBE 1	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
EVAPORATOR PROBE 2	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
ALARM INPUT FROM UNIT 1	Standard	Standard	Standard
ALARM INPUT FROM UNIT 2	Standard	Standard	Standard
MICRO DOOR	Standard	Standard	Standard

PANEL CODE	FC66	FC1010	FC1616
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OUTPUT

ELECTRIC DEFROST 1	6000W three-phase	10000W three-phase	16000W three-phase
ELECTRIC DEFROST 2	6000W three-phase	10000W three-phase	16000W three-phase
EVAPORATOR FANS 1	2000W single-phase/4000W three-phase	2000W single-phase/4000W three-phase	2000W single-phase/4000W three-phase
EVAPORATOR FANS 2	2000W single-phase/4000W three-phase	2000W single-phase/4000W three-phase	2000W single-phase/4000W three-phase
SOLENOIDE FAN	Standard	Standard	Standard
LIGHT CELL	850W single-phase	850W single-phase	850W single-phase
UNITY CONSENT 1	Standard (Voltage free contact)	Standard (Voltage free contact)	Standard (Voltage free contact)
UNITY CONSENT 2	Standard (Voltage free contact)	Standard (Voltage free contact)	Standard (Voltage free contact)
ALARM RELAY	Standard	Standard	Standard

OPTIONAL ACCESSORIES

RS485/WIFI**

✓

✓

✓



FC66 *



FC1010 *



FC1616 *

* Accessories: fixing brackets provided
 ** Communication card for in cloud supervision

All products have the possibility of customization with your own brand.
 Customization requires a minimum of lots to be established at the order stage.



We dedicate specific resources to the continuous search for components, among the best brands on the market, which guarantee high standards from a technical and functional point of view.



SERIES

FC

DIECI ELECTRONIC

Electric panels for three-phase cell front

**COMPLETE PANEL
BOARD SERIES
WITH ELECTRONIC
VALVES**

The SERIES of FC cabinet front electrical panels, for the management and control of the evaporating unit only, complete with single-pole electronic valve up to 260mA. It is proposed as a solution, they have been designed to facilitate simple and intuitive use. It was designed to give the customer the opportunity to choose the electronic that best suits their needs from different brands of manufacturing companies.

The whole SERIES FC is assembled with devices among the best on the market both for TECHNICAL FEATURES and for the good value for money.

Standard magnetothermic protections guarantee a high level of efficiency and functionality of the electrical panels.

FC6 ELECTRONIC _ FC10 ELECTRONIC _ FC16 ELECTRONIC
FC21 ELECTRONIC

PANEL CODE	FC6 ELECTRONIC	FC10 ELECTRONIC
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DESCRIPTION

Electric panel for cold rooms evaporating unit only with electric defrost up to 6kW with single-pole electronic valve.

Electric panel for cold rooms evaporating unit only with electric defrost up to 10kW with single-pole electronic valve.

TECHNICAL FEATURES

ELECTRONIC	Dieci Electric	Dieci Electric
BOX SIZE	370*275*175 mm	370*275*175 mm
BOX SIZE COMPLETE WITH DOOR LOCK	370*275*175 mm	370*275*175 mm
WEIGHT	5Kg	5Kg
BOX LEVEL OF PROTECTION	IP65	IP65
RELATIVE HUMIDITY OF THE ENVIRONMENT	<90% RH	<90% RH
STORAGE TEMPERATURE	-10÷+60°C	-10÷+60°C
WORKING TEMPERATURE	-5÷+45°C	-5÷+45°C
SUPPLY	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz
GENERAL PROTECTION	Standard thermoswitch	Standard thermoswitch
SIGNALING AND ALARM	Led+Display	Led+Display
DEFROSTING MANAGEMENT WITH CLOCK	RTC	RTC

INPUTS

CELL PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%
EVAPORATOR PROBE 1	NTC 10 Ohm 1%	NTC 10 Ohm 1%
SUCTION PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%
PRESSURE PROBE	4-20mA	4-20mA
ALARM INPUT FROM UNIT	Standard	Standard
MICRO DOOR	Standard	Standard

PANEL CODE	FC6 ELECTRONIC	FC10 ELECTRONIC
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OUTPUT

ELECTRIC DEFROSTING	6000W three-phase	10000W three-phase
EVAPORATOR FANS	2000W single-phase/4000W three-phase	2000W single-phase/4000W three-phase
SOLENOIDE FAN	Standard	Standard
ELECTRONIC SINGLE-POLE VALVE	Max 260mA distance 9M	Max 260mA distance 9M
LIGHT CELL	850W single-phase	850W single-phase
UNITY CONSENT	Standard (Voltage free contact)	Standard (Voltage free contact)
ALARM RELAY	Standard	Standard

OPTIONAL ACCESSORIES

RS485/WIFI**

✓

✓

✓



FC6 ELECTRONIC *



FC10 ELECTRONIC *

* Accessories: fixing brackets provided
 ** Communication card for in cloud supervision

All products have the possibility of customization with your own brand.
 Customization requires a minimum of lots to be established at the order stage.

PANEL CODE	FC16 ELECTRONIC	FC21 ELECTRONIC
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DESCRIPTION

Electrical panel for cold rooms evaporating unit only with electric defrost up to 16kW with single-pole electronic valve.

Electrical panel for cold rooms evaporating unit only with electric defrost up to 21kW with single-pole electronic valve.

TECHNICAL FEATURES

ELECTRONIC	Dieci Electric	Dieci Electric
BOX SIZE	370*275*175 mm	600*400*200 mm
BOX SIZE COMPLETE WITH DOOR LOCK	370*275*175 mm	600*400*235 mm
WEIGHT	5Kg	20Kg
BOX LEVEL OF PROTECTION	IP65	IP65
RELATIVE HUMIDITY OF THE ENVIRONMENT	<90% RH	<90% RH
STORAGE TEMPERATURE	-10÷+60°C	-10÷+60°C
WORKING TEMPERATURE	-5÷+45°C	-5÷+45°C
SUPPLY	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz
GENERAL PROTECTION	Thermoswitch included	Thermoswitch included
SIGNALING AND ALARM	Led+Display	Led+Display
DEFROSTING MANAGEMENT WITH CLOCK	RTC	RTC

INPUTS

CELL PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%
EVAPORATOR PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%
SUCTION PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%
PRESSURE PROBE	4-20mA	4-20mA
ALARM INPUT FROM UNIT	Standard	Standard
MICRO DOOR	Standard	Standard

PANEL CODE	FC16-ELECTRONIC	FC21-ELECTRONIC
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OUTPUT

ELECTRIC DEFROSTING	16000W three-phase	21000W three-phase
EVAPORATOR FANS	2000W single-phase/4000W three-phase	2000W single-phase/4000W three-phase
SOLENOID FAN	Standard	Standard
ELECTRONIC SINGLE-POLE VALVE	Max 260mA distance 9M	Max 260mA distance 9M
LIGHT CELL	850W single-phase	850W single-phase
UNIT CONSENT	Standard (Voltage free contact)	Standard (Voltage free contact)
ALARM RELAY	Standard	Standard

OPTIONAL ACCESSORIES

RS485/WIFI**

✓

✓



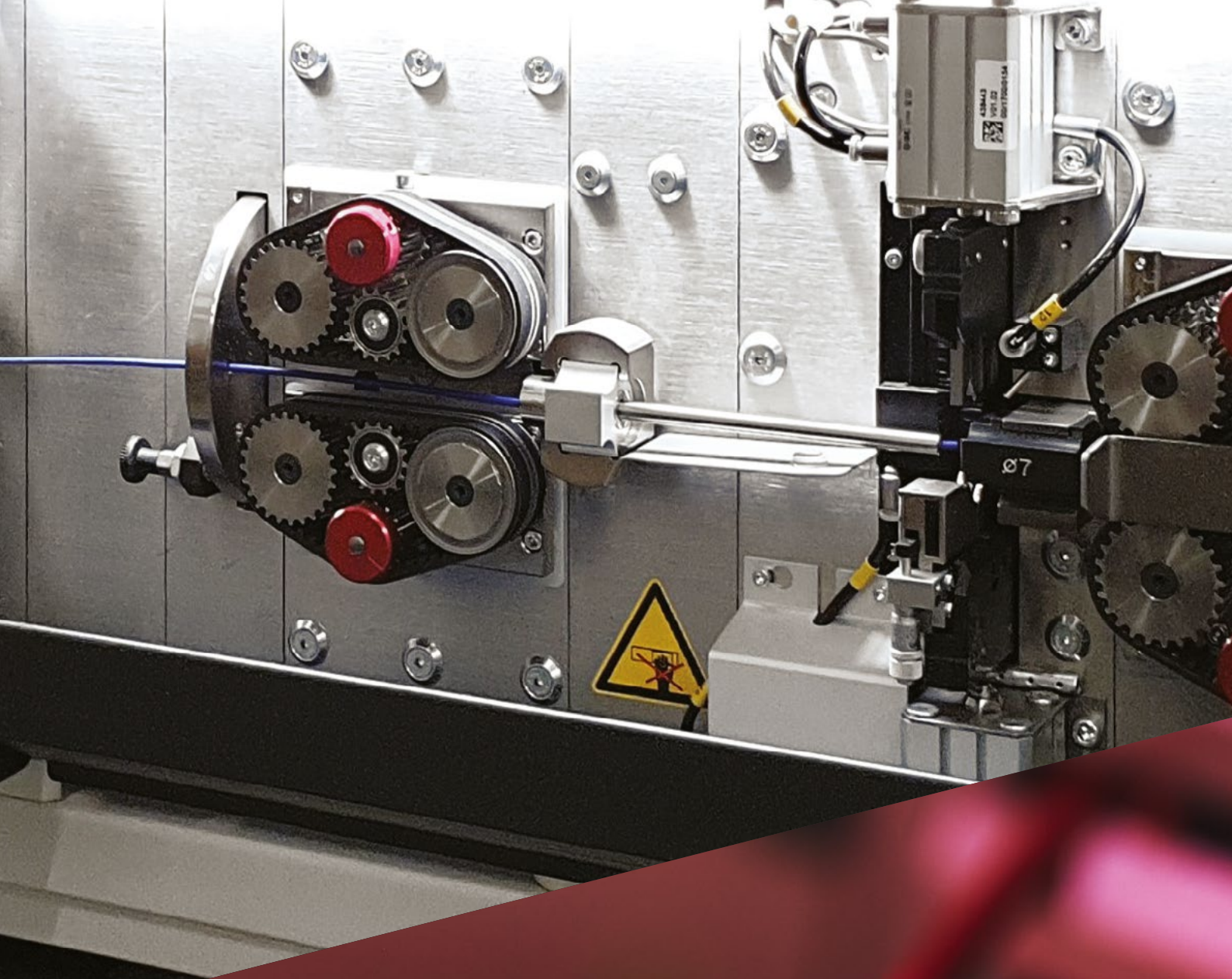
FC16 ELECTRONIC *



FC21 ELECTRONIC *

* Accessories: fixing brackets provided
 ** Communication card for in cloud supervision

All products have the possibility of customization with your own brand.
 Customization requires a minimum of lots to be established at the order stage.



To optimize and make assembly processes more efficient, we use state-of-the-art machinery for the preparation of wiring.



SERIES FC D

Electronic Dixell

Electric panels for three-phase cell front

COMPLETE PANEL BOARD SERIES

The SERIES of FC cabinet front electrical panels, for the management and control of the evaporating unit only, have been designed to facilitate simple and intuitive use.

It was designed to give the customer the opportunity to choose the electronic that best suits their needs from different brands of manufacturing companies.

The whole SERIES FC is assembled with devices among the best on the market both for TECHNICAL FEATURES and for the good **value for money**.

Standard magnetothermic protections guarantee a high level of efficiency and functionality of the electrical panels.

FC 6 D _ FC 10 D _ FC 16 D _ FC 21 D _ FC 32 D
FC 41 D _ FC 66 D _ FC 1010 D _ FC 1616 D

PANEL CODE	FC6 D	FC10 D	FC16 D
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DESCRIPTION	Electrical panel for cold rooms evaporating unit only with electric defrost up to 6kW.	Electrical panel for cold rooms evaporating unit only with electric defrost up to 10kW.	Electrical panel for cold rooms evaporating unit only with electric defrost up to 16kW.
-------------	--	---	---

TECHNICAL FEATURES

ELECTRONIC	Dixell	Dixell	Dixell
BOX SIZE	370*275*175 mm	370*275*175 mm	370*275*175 mm
BOX SIZE COMPLETE WITH DOOR LOCK	370*275*175 mm	370*275*175 mm	370*275*175 mm
WEIGHT	5Kg	5Kg	6Kg
BOX LEVEL OF PROTECTION	IP65	IP65	IP65
RELATIVE HUMIDITY OF THE ENVIRONMENT	<90% RH	<90% RH	<90% RH
STORAGE TEMPERATURE	-10÷+60°C	-10÷+60°C	-10÷+60°C
WORKING TEMPERATURE	-5÷+45°C	-5÷+45°C	-5÷+45°C
SUPPLY	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz
GENERAL PROTECTION	Standard Thermoswitch	Standard Thermoswitch	Standard Thermoswitch
SIGNALING AND ALARM	Led+Display	Led+Display	Led+Display

INPUTS

CELL PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
EVAPORATOR PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
MICRO DOOR	Standard	Standard	Standard

PANEL CODE	FC6 D	FC10 D	FC16 D
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OUTPUT

ELECTRIC DEFROSTING	6000W three-phase	10000W three-phase	16000W three-phase
EVAPORATOR FANS	2000W single-phase/4000W three-phase	2000W single-phase/4000W three-phase	2000W single-phase/4000W three-phase
SOLENOIDE FAN	Standard	Standard	Standard
LIGHT CELL	850W single-phase	850W single-phase	850W single-phase
UNIT CONSENT	Standard (Voltage free contact)	Standard (Voltage free contact)	Standard (Voltage free contact)

OPTIONAL ACCESSORIES

RS485**

✓

✓

✓



FC6 D *



FC10 D *



FC16 D *

* Accessories: fixing brackets provided
 ** Communication card for supervision

All products have the possibility of customization with your own brand.
 Customization requires a minimum of lots to be established at the order stage.

PANEL CODE	FC21 D	FC32 D	FC41 D
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DESCRIPTION	Electrical panel for cold rooms evaporating unit only with electric defrost up to 21kW.	Electric panel for cold rooms evaporating unit only with electric defrost up to 32kW.	Electrical panel for cold rooms evaporating unit only with electric defrost up to 41kW.
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TECHNICAL FEATURES

ELECTRONIC	Dixell	Dixell	Dixell
BOX SIZE	600*400*200 mm	600*400*200 mm	600*400*200 mm
BOX SIZE COMPLETE WITH DOOR LOCK	600*400*235 mm	600*400*235 mm	600*400*235 mm
WEIGHT	12Kg	20Kg	20Kg
BOX LEVEL OF PROTECTION	IP65	IP65	IP65
RELATIVE HUMIDITY OF THE ENVIRONMENT	<90% RH	<90% RH	<90% RH
STORAGE TEMPERATURE	-10÷+60°C	-10÷+60°C	-10÷+60°C
WORKING TEMPERATURE	-5÷+45°C	-5÷+45°C	-5÷+45°C
SUPPLY	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz
GENERAL PROTECTION	Standard thermoswitch	Standard thermoswitch	Standard thermoswitch
SIGNALING AND ALARM	Led+Display	Led+Display	Led+Display

INPUTS

CELL PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
EVAPORATOR PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
MICRO DOOR	Standard	Standard	Standard

PANEL CODE	FC21 D	FC32 D	FC41 D
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OUTPUT

ELECTRIC DEFROSTING	21000W three-phase	32000W three-phase	41000W three-phase
EVAPORATOR FANS	3 from 1000W single-phase 3 from 2000W three-phase	4 from 1500W single-phase 4 from 3000W three-phase	4 from 1500W single-phase 4 from 3000W three-phase
SOLENOIDE FAN	Standard	Standard	Standard
LIGHT CELL	Standard (Voltage free contact)	Standard (Voltage free contact)	Standard (Voltage free contact)
UNIT CONSENT	Standard (Voltage free contact)	Standard (Voltage free contact)	Standard (Voltage free contact)

OPTIONAL ACCESSORIES

RS485**

✓

✓

✓



FC21 D *



FC32 D *



FC41 D *

* Accessories: fixing brackets provided

** Communication card for supervision

All products have the possibility of customization with your own brand.
Customization requires a minimum of lots to be established at the order stage.

PANEL CODE	FC66 D	FC1010 D	FC1616 D
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DESCRIPTION	Electrical panel for cold rooms only evaporating unit double evaporator with electric defrost up to 6kW.	Electric panel for cold rooms only evaporating unit double evaporator with electric defrost up to 10kW.	Electrical panel for cold rooms only evaporating unit double evaporator with electric defrost up to 16kW.
-------------	--	---	---

TECHNICAL FEATURES

ELECTRONIC	Dixell	Dixell	Dixell
BOX SIZE	600*400*200 mm	600*400*200 mm	600*400*200 mm
BOX SIZE COMPLETE WITH DOOR LOCK	600*400*235 mm	600*400*235 mm	600*400*235 mm
WEIGHT	12Kg	12Kg	13Kg
BOX LEVEL OF PROTECTION	IP65	IP65	IP65
RELATIVE HUMIDITY OF THE ENVIRONMENT	<90% RH	<90% RH	<90% RH
STORAGE TEMPERATURE	-10÷+60°C	-10÷+60°C	-10÷+60°C
WORKING TEMPERATURE	-5÷+45°C	-5÷+45°C	-5÷+45°C
SUPPLY	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz
GENERAL PROTECTION	Standard Thermoswitch	Standard Thermoswitch	Standard Thermoswitch
SIGNALING AND ALARM	Led+Display	Led+Display	Led+Display

INPUTS

CELL PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
EVAPORATOR PROBE 1	External prodigies thermostat (not included)	External prodigies thermostat (not included)	External prodigies thermostat (not included)
EVAPORATOR PROBE 2	External prodigies thermostat (not included)	External prodigies thermostat (not included)	External prodigies thermostat (not included)
MICRO DOOR	Standard	Standard	Standard



PANEL CODE	FC66 D	FC1010 D	FC1616 D
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OUTPUT

ELECTRIC DEFROST 1	6000W Three-phase	10000W Three-phase	16000W Three-phase
ELECTRIC DEFROST 2	6000W Three-phase	10000W Three-phase	16000W Three-phase
EVAPORATOR FANS 1	2000W single-phase/4000W Three-phase	2000W single-phase/4000W Three-phase	2000W single-phase/4000W Three-phase
EVAPORATOR FANS 2	2000W single-phase/4000W Three-phase	2000W single-phase/4000W Three-phase	2000W single-phase/4000W Three-phase
SOLENOIDE FAN	Standard	Standard	Standard
LIGHT CELL	850W single-phase	850W single-phase	850W single-phase
UNIT CONSENT 1	Standard (Voltage free contact)	Standard (Voltage free contact)	Standard (Voltage free contact)
UNIT CONSENT 1	Standard (Voltage free contact)	Standard (Voltage free contact)	Standard (Voltage free contact)

OPTIONAL ACCESSORIES

RS485**

✓

✓

✓



FC66 D *



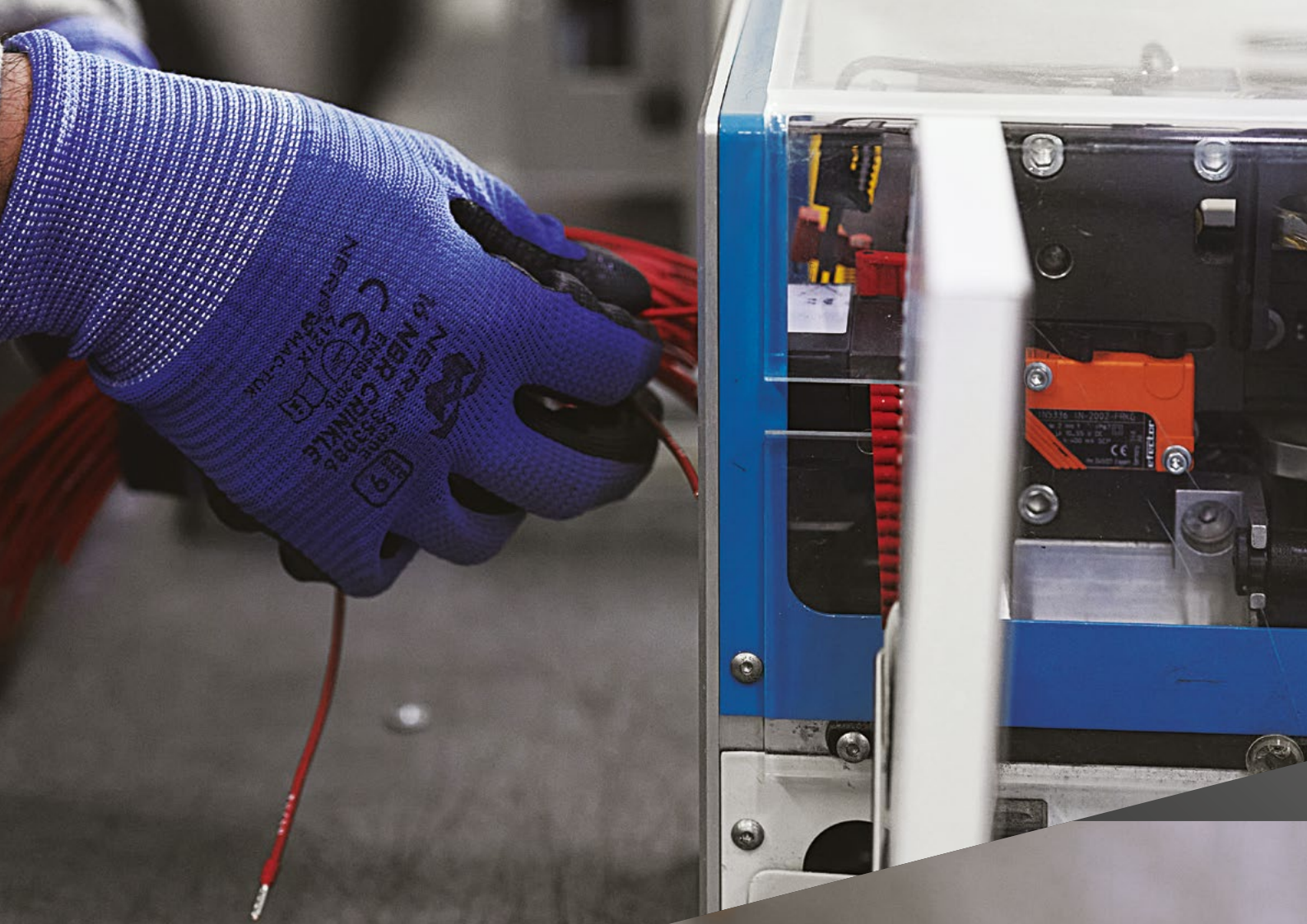
FC1010 D *



FC1616 D *

* Accessories: fixing brackets provided
 ** Communication card for supervision

All products have the possibility of customization with your own brand.
 Customization requires a minimum of lots to be established at the order stage.



All the assembly phases follow specific production processes without ever neglecting anything but defining every single detail in detail.



SERIES

FC C

Electronic Carel

Electric panels for three-phase cell front

**COMPLETE
PANEL BOARD SERIES**

The SERIES of FC cabinet front electrical panels, for the management and control of the evaporating unit only, have been designed to facilitate simple and intuitive use.

It was designed to give the customer the opportunity to choose the electronic that best suits their needs from different brands of manufacturing companies.

The whole SERIES FC is assembled with devices among the best on the market both for characteristics and techniques and for the good **value for money**.

Standard magnetothermic protections guarantee a high level of efficiency and functionality of the electrical panels.

FC6 C _ FC10 C _ FC16 C _ FC21 C _ FC32 C
FC41 C _ FC66 C _ FC1010 C _ FC1616 C

PANEL CODE	FC6 C	FC10 C	FC16 C
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DESCRIPTION	Electrical panel for cold rooms evaporating unit only with electric defrost up to 6kW.	Electrical panel for cold rooms evaporating unit only with electric defrost up to 10kW.	Electrical panel for cold rooms evaporating unit only with electric defrost up to 16kW.
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TECHNICAL FEATURES

ELECTRONIC	Carel	Carel	Carel
BOX SIZE	370*275*175 mm	370*275*175 mm	370*275*175 mm
BOX SIZE COMPLETE WITH DOOR LOCK	370*275*175 mm	370*275*175 mm	370*275*175 mm
WEIGHT	5Kg	5Kg	6Kg
BOX LEVEL OF PROTECTION	IP65	IP65	IP65
RELATIVE HUMIDITY OF THE ENVIRONMENT	<90% RH	<90% RH	<90% RH
STORAGE TEMPERATURE	-10÷+60°C	-10÷+60°C	-10÷+60°C
WORKING TEMPERATURE	-5÷+45°C	-5÷+45°C	-5÷+45°C
SUPPLY	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz
GENERAL PROTECTION	Standard Thermoswitch	Standard Thermoswitch	Standard Thermoswitch
SIGNALING AND ALARM	Led+Display	Led+Display	Led+Display

INPUTS

CELL PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
EVAPORATOR PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
MICRO DOOR	Standard	Standard	Standard

PANEL CODE	FC6 C	FC10 C	FC16 C
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OUTPUT

ELECTRIC DEFROSTING	6000W Three-phase	10000W Three-phase	16000W Three-phase
EVAPORATOR FANS	2000W single-phase/4000W Three-phase	2000W single-phase/4000W Three-phase	2000W single-phase/4000W Three-phase
SOLENOIDE FAN	Standard	Standard	Standard
LIGHT CELL	850W single-phase	850W single-phase	850W single-phase
UNIT CONSENT	Standard (Voltage free contact)	Standard (Voltage free contact)	Standard (Voltage free contact)

OPTIONAL ACCESSORIES

RS485**

✓

✓

✓



FC6 C *



FC10 C *



FC16 C *

* Accessories: fixing brackets provided
 ** Communication card for supervision

All products have the possibility of customization with your own brand.
 Customization requires a minimum of lots to be established at the order stage.

PANEL CODE	FC21 C	FC32 C	FC41 C
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DESCRIPTION	Electrical panel for cold rooms evaporating unit only with electric defrost up to 21kW.	Electrical panel for cold rooms evaporating unit only with electric defrost up to 32kW.	Electrical panel for cold rooms evaporating unit only with electric defrost up to 41kW.
-------------	---	---	---

TECHNICAL FEATURES

ELECTRONIC	Carel	Carel	Carel
BOX SIZE	600*400*200 mm	600*400*200 mm	600*400*200 mm
BOX SIZE COMPLETE WITH DOOR LOCK	600*400*235 mm	600*400*235 mm	600*400*235 mm
WEIGHT	12Kg	20Kg	20Kg
BOX LEVEL OF PROTECTION	IP65	IP65	IP65
RELATIVE HUMIDITY OF THE ENVIRONMENT	<90% RH	<90% RH	<90% RH
STORAGE TEMPERATURE	-10÷+60°C	-10÷+60°C	-10÷+60°C
WORKING TEMPERATURE	-5÷+45°C	-5÷+45°C	-5÷+45°C
SUPPLY	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz
GENERAL PROTECTION	Standard Thermoswitch	Standard Thermoswitch	Standard Thermoswitch
SIGNALING AND ALARM	Led+Display	Led+Display	Led+Display

INPUTS

CELL PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
EVAPORATOR PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
MICRO DOOR	Standard	Standard	Standard

PANEL CODE	FC21 C	FC32 C	FC41 C
------------	--------	--------	--------

OUTPUT

ELECTRIC DEFROSTING	21000W Three-phase	32000W Three-phase	41000W Three-phase
EVAPORATOR FANS	3 from 1000W single-phase 3 from 2000W Three-phase	4 from 1500W single-phase 4 from 3000W Three-phase	4 from 1500W single-phase 4 from 3000W Three-phase
SOLENOIDE FAN	Standard	Standard	Standard
LIGHT CELL	Standard (Voltage free contact)	Standard (Voltage free contact)	Standard (Voltage free contact)
UNIT CONSENT	Standard (Voltage free contact)	Standard (Voltage free contact)	Standard (Voltage free contact)

OPTIONAL ACCESSORIES

RS485**

✓

✓

✓



FC21 C *



FC32 C *



FC41 C *

* Accessories: fixing brackets provided
 ** Communication card for supervision

All products have the possibility of customization with your own brand.
 Customization requires a minimum of lots to be established at the order stage.

PANEL CODE	FC66 C	FC1010 C	FC1616 C
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DESCRIPTION	Electrical panel for cold rooms only evaporating unit double evaporator with electric defrost up to 6kW.	Electric panel for cold rooms only evaporating unit double evaporator with electric defrost up to 10kW.	Electrical panel for cold rooms only evaporating unit double evaporator with electric defrost up to 16kW.
-------------	--	---	---

TECHNICAL FEATURES

ELECTRONIC	Carel	Carel	Carel
BOX SIZE	600*400*200 mm	600*400*200 mm	600*400*200 mm
BOX SIZE COMPLETE WITH DOOR LOCK	600*400*235 mm	600*400*235 mm	600*400*235 mm
WEIGHT	12Kg	12Kg	13Kg
BOX LEVEL OF PROTECTION	IP65	IP65	IP65
RELATIVE HUMIDITY OF THE ENVIRONMENT	<90% RH	<90% RH	<90% RH
STORAGE TEMPERATURE	-10÷+60°C	-10÷+60°C	-10÷+60°C
WORKING TEMPERATURE	-5÷+45°C	-5÷+45°C	-5÷+45°C
SUPPLY	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz
GENERAL PROTECTION	Standard thermoswitch	Standard thermoswitch	Standard thermoswitch
SIGNALING AND ALARM	Led+Display	Led+Display	Led+Display

INPUTS

CELL PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
EVAPORATOR PROBE 1	External prodigies thermostat (not included)	External prodigies thermostat (not included)	External prodigies thermostat (not included)
EVAPORATOR PROBE 2	External prodigies thermostat (not included)	External prodigies thermostat (not included)	External prodigies thermostat (not included)
MICRO DOOR	Standard	Standard	Standard



PANEL CODE	FC66 C	FC1010 C	FC1616 C
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OUTPUT

Electric defrost 1	6000W three-phase	10000W three-phase	16000W three-phase
Electric defrost 2	6000W three-phase	10000W three-phase	16000W three-phase
EVAPORATOR FANS 1	2000W single-phase/4000W three-phase	2000W single-phase/4000W three-phase	2000W single-phase/4000W three-phase
EVAPORATOR FANS 2	2000W single-phase/4000W three-phase	2000W single-phase/4000W three-phase	2000W single-phase/4000W three-phase
SOLENOIDE FAN	Standard	Standard	Standard
LIGHT CELL	850W single-phase	850W single-phase	850W single-phase
UNIT CONSENT 1	Standard (Voltage free contact)	Standard (Voltage free contact)	Standard (Voltage free contact)
UNIT CONSENT 2	Standard (Voltage free contact)	Standard (Voltage free contact)	Standard (Voltage free contact)

OPTIONAL ACCESSORIES

RS485**

✓

✓

✓



FC66 C *



FC1010 C *



FC1616 C *

* Accessories: fixing brackets provided
 ** Communication card for supervision

All products have the possibility of customization with your own brand.
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Thanks to the automatic, precise and programmable numerical control machine, each box in both ABS and metal is drilled according to the components that will be assembled. In this way it is possible to install the most suitable electronic controller for different needs.



SERIES

FC E

Electronic Eliwell

Electrical panels for three-phase cell front

**COMPLETE
PANEL BOARD SERIES**

The SERIES of FC cabinet front electrical panels, for the management and control of the evaporating unit only, have been designed to facilitate simple and intuitive use.

It was designed to give the customer the opportunity to choose the electronic that best suits their needs from different brands of manufacturing companies.

The whole SERIES FC is assembled with devices among the best on the market both for characteristics and techniques and for the good **value for money**. Standard magnetothermic protections guarantee a high level of efficiency and functionality of the electrical panels.

FC6 E _ FC10 E _ FC16 E _ FC21 E _ FC32 E
FC41 E _ FC66 E _ FC1010 E _ FC1616 E

PANEL CODE	FC6 E	FC10 E	FC16 E
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DESCRIPTION	Electrical panel for cold rooms evaporating unit only with electric defrost up to 6kW.	Electrical panel for cold rooms evaporating unit only with electric defrost up to 10kW.	Electrical panel for cold rooms evaporating unit only with electric defrost up to 16kW.
-------------	--	---	---

TECHNICAL FEATURES

ELECTRONIC	Eliwell	Eliwell	Eliwell
BOX SIZE	370*275*175 mm	370*275*175 mm	370*275*175 mm
BOX SIZE COMPLETE WITH DOOR LOCK	370*275*175 mm	370*275*175 mm	370*275*175 mm
WEIGHT	5Kg	5Kg	6Kg
BOX LEVEL OF PROTECTION	IP65	IP65	IP65
RELATIVE HUMIDITY OF THE ENVIRONMENT	<90% RH	<90% RH	<90% RH
STORAGE TEMPERATURE	-10÷+60°C	-10÷+60°C	-10÷+60°C
WORKING TEMPERATURE	-5÷+45°C	-5÷+45°C	-5÷+45°C
SUPPLY	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz
GENERAL PROTECTION	Standard Thermoswitch	Standard Thermoswitch	Standard Thermoswitch
SIGNALING AND ALARM	Led+Display	Led+Display	Led+Display

INPUTS

CELL PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
EVAPORATOR PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
MICRO DOOR	Standard	Standard	Standard

PANEL CODE	FC6 E	FC10 E	FC16 E
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OUTPUT

ELECTRIC DEFROSTING	6000W three-phase	10000W three-phase	16000W three-phase
EVAPORATOR FANS	2000W single-phase/4000W three-phase	2000W single-phase/4000W three-phase	2000W single-phase/4000W three-phase
SOLENOIDE FAN	Standard	Standard	Standard
LIGHT CELL	850W single-phase	850W single-phase	850W single-phase
UNIT CONSENT	Standard (Voltage free contact)	Standard (Voltage free contact)	Standard (Voltage free contact)

OPTIONAL ACCESSORIES

RS485**

✓

✓

✓



FC6 E *



FC10 E *



FC16 E *

* Accessories: fixing brackets provided
 ** Communication card for supervision

All products have the possibility of customization with your own brand.
 Customization requires a minimum of lots to be established at the order stage.

PANEL CODE	FC21 E	FC32 E	FC41 E
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DESCRIPTION	Electrical panel for cold rooms evaporating unit only with electric defrost up to 21kW.	Electrical panel for cold rooms evaporating unit only with electric defrost up to 32kW.	Electrical panel for cold rooms evaporating unit only with electric defrost up to 41kW.
-------------	---	---	---

TECHNICAL FEATURES

ELECTRONIC	Eliwell	Eliwell	Eliwell
BOX SIZE	600*400*200 mm	600*400*200 mm	600*400*200 mm
BOX SIZE COMPLETE WITH DOOR LOCK	600*400*235 mm	600*400*235 mm	600*400*235 mm
WEIGHT	12Kg	20Kg	20Kg
BOX LEVEL OF PROTECTION	IP65	IP65	IP65
RELATIVE HUMIDITY OF THE ENVIRONMENT	<90% RH	<90% RH	<90% RH
STORAGE TEMPERATURE	-10÷+60°C	-10÷+60°C	-10÷+60°C
WORKING TEMPERATURE	-5÷+45°C	-5÷+45°C	-5÷+45°C
SUPPLY	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz
GENERAL PROTECTION	Standard Thermoswitch	Standard Thermoswitch	Standard Thermoswitch
SIGNALING AND ALARM	Led+Display	Led+Display	Led+Display

INPUTS

CELL PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
EVAPORATOR PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
MICRO DOOR	Standard	Standard	Standard



PANEL CODE	FC21 E	FC32 E	FC41 E
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OUTPUT

ELECTRIC DEFROSTING	21000W three-phase	32000W three-phase	41000W three-phase
EVAPORATOR FANS	3 from 1000W single-phase 3 from 2000W three-phase	4 from 1500W single-phase 4 from 3000W three-phase	4 from 1500W single-phase 4 from 3000W three-phase
SOLENOIDE FAN	Standard	Standard	Standard
LIGHT CELL	Standard (Voltage free contact)	Standard (Voltage free contact)	Standard (Voltage free contact)
UNIT CONSENT	Standard (Voltage free contact)	Standard (Voltage free contact)	Standard (Voltage free contact)

OPTIONAL ACCESSORIES

RS485**

✓

✓

✓



FC21 E *



FC32 E *



FC41 E *

* Accessories: fixing brackets provided
 ** Communication card for supervision

All products have the possibility of customization with your own brand.
 Customization requires a minimum of lots to be established at the order stage.

PANEL CODE	FC66 E	FC1010 E	FC1616 E
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DESCRIPTION	Electrical panel for cold rooms only evaporating unit double evaporator with electric defrost up to 6kW.	Electric panel for cold rooms only double evaporator evaporator unit with electric defrost up to 10kW.	Electrical panel for cold rooms only evaporating unit double evaporator with electric defrost up to 16kW.
-------------	--	--	---

TECHNICAL FEATURES

ELECTRONIC	Eliwell	Eliwell	Eliwell
BOX SIZE	600*400*200 mm	600*400*200 mm	600*400*200 mm
BOX SIZE COMPLETE WITH DOOR LOCK	600*400*235 mm	600*400*235 mm	600*400*235 mm
WEIGHT	12Kg	12Kg	13Kg
BOX LEVEL OF PROTECTION	IP65	IP65	IP65
RELATIVE HUMIDITY OF THE ENVIRONMENT	<90% RH	<90% RH	<90% RH
STORAGE TEMPERATURE	-10÷+60°C	-10÷+60°C	-10÷+60°C
WORKING TEMPERATURE	-5÷+45°C	-5÷+45°C	-5÷+45°C
SUPPLY	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz
GENERAL PROTECTION	Standard Thermoswitch	Standard Thermoswitch	Standard Thermoswitch
SIGNALING AND ALARM	Led+Display	Led+Display	Led+Display

INPUTS

CELL PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
EVAPORATOR PROBE 1	External prodigies thermostat (not included)	External prodigies thermostat (not included)	External prodigies thermostat (not included)
EVAPORATOR PROBE 2	External prodigies thermostat (not included)	External prodigies thermostat (not included)	External prodigies thermostat (not included)
MICRO DOOR	Standard	Standard	Standard



PANEL CODE	FC66 E	FC1010 E	FC1616 E
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OUTPUT

ELECTRIC DEFROST 1	6000W three-phase	10000W three-phase	16000W three-phase
ELECTRIC DEFROST 2	6000W three-phase	10000W three-phase	16000W three-phase
EVAPORATOR FANS 1	2000W single-phase/4000W three-phase	2000W single-phase/4000W three-phase	2000W single-phase/4000W three-phase
EVAPORATOR FANS 2	2000W single-phase/4000W three-phase	2000W single-phase/4000W three-phase	2000W single-phase/4000W three-phase
SOLENOIDE FAN	Standard	Standard	Standard
LIGHT CELL	850W single-phase	850W single-phase	850W single-phase
UNIT CONSENT 1	Standard (Voltage free contact)	Standard (Voltage free contact)	Standard (Voltage free contact)
UNIT CONSENT 2	Standard (Voltage free contact)	Standard (Voltage free contact)	Standard (Voltage free contact)

OPTIONAL ACCESSORIES

RS485**

✓

✓

✓



FC66 E *



FC1010 E *



FC1616 E *

* Accessories: fixing brackets provided

** Communication card for supervision

All products have the possibility of customization with your own brand.
Customization requires a minimum of lots to be established at the order stage.



At the end of each assembly phase, a strict testing procedure is carried out by specialized technicians.



SERIES CS

Electrical panels for cell
refrigerator for supermarkets

PANEL BOARD SERIES

Series of electrical panels CS - Supermarket Cell are the ideal solution for the management and control of the cold room. The versatility of use and functional capabilities of these switchboards ensure maximum operational efficiency. You can request electronic according to your needs by choosing from the most important companies on the market: Dixell, Eliwell and Carel. Both the electronic for controlling the electronic valve and the differential protections are available on request. The whole SERIES CS is made with the best devices on the market with high-level TECHNICAL FEATURES and an excellent **value for money** ratio. Magnetothermal protections are installed. Standard on all devices.

CS3 C _ CS3 D _ CS3 E _ CS10 C _ CS10 D _ CS10 E

PANEL CODE	CS3 C	CS3 D	CS3 E
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DESCRIPTION	Electric panel for three-phase cold rooms with Carel electronic.	Electric panel for three-phase cold rooms with Dixell electronic.	Electric panel for three-phase cold rooms with Eliwell electronic.
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TECHNICAL FEATURES

ELECTRONIC	Carel	Dixell	Eliwell
BOX SIZE	455*275*140	455*275*140	455*275*140
WEIGHT	5Kg	5Kg	5Kg
BOX LEVEL OF PROTECTION	IP65	IP65	IP65
ENVIRONMENT RELATIVE HUMIDITY	<90% RH	<90% RH	<90% RH
STORAGE TEMPERATURE	-10÷+60°C	-10÷+60°C	-10÷+60°C
WORKING TEMPERATURE	-5÷+45°C	-5÷+45°C	-5÷+45°C
SUPPLY	230V AC ±10% 50-60Hz	230V AC ±10% 50-60Hz	230V AC ±10% 50-60Hz
GENERAL PROTECTION	Standard Thermoswitch	Standard Thermoswitch	Standard Thermoswitch
SIGNALING AND ALARM	Display	Display	Display
DEFROSTING MANAGEMENT WITH CLOCK	RTC	RTC	RTC

INPUTS

CELL PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
EVAPORATOR PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
INPUT ALARM FROM UNITY	Standard	Standard	Standard
MICRO DOOR	Standard	Standard	Standard

PANEL CODE	CS3 C	CS3 D	CS3 E
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OUTPUT

ELECTRIC DEFROSTING	3000W single-phase	3000W single-phase	3000W single-phase
EVAPORATOR FANS	500W single-phase	500W single-phase	500W single-phase
SOLENOIDE FAN	Standard	Standard	Standard
LIGHT CELL	850W AC1	850W AC1	850W AC1
RS485 ACCESS	Standard	Standard	Standard



CS3 C *



CS3 D *



CS3 E *

* **Accessories:** fixing brackets provided

All products have the possibility of customization with your own brand.
Customization requires a minimum of lots to be established at the order stage.

PANEL CODE	CS10 C	CS10 D	CS10 E
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DESCRIPTION	Electric panel for three-phase cold rooms with Carel electronic.	Electric panel for three-phase cold rooms with Dixell electronic.	Electric panel for three-phase cold rooms with Eliwell electronic.
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TECHNICAL FEATURES

ELECTRONIC	Carel	Dixell	Eliwell
BOX SIZE	455*275*140	455*275*140	455*275*140
WEIGHT	5Kg	5Kg	5Kg
BOX LEVEL OF PROTECTION	IP65	IP65	IP65
ENVIRONMENT RELATIVE HUMIDITY	<90% RH	<90% RH	<90% RH
STORAGE TEMPERATURE	-10÷+60°C	-10÷+60°C	-10÷+60°C
WORKING TEMPERATURE	-5÷+45°C	-5÷+45°C	-5÷+45°C
SUPPLY	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz
GENERAL PROTECTION	Standard Thermoswitch	Standard Thermoswitch	Standard Thermoswitch
SIGNALING AND ALARM	Display	Display	Display
DEFROSTING MANAGEMENT WITH CLOCK	RTC	RTC	RTC

INPUTS

CELL PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
EVAPORATOR PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
INPUT ALARM FROM UNITY	Standard	Standard	Standard
MICRO DOOR	Standard	Standard	Standard



PANEL CODE	CS10 C	CS10 D	CS10 E
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OUTPUT

ELECTRIC DEFROSTING	10000W three-phase	10000W three-phase	10000W three-phase
EVAPORATOR FANS	500W single-phase	500W single-phase	500W single-phase
SOLENOIDE FAN	Standard	Standard	Standard
LIGHT CELL	850W AC1	850W AC1	850W AC1
RS485 ACCESS	Standard	Standard	Standard



CS10 C *



CS10 D *



CS10 E *

* **Accessories:** fixing brackets provided

All products have the possibility of customization with your own brand.
Customization requires a minimum of lots to be established at the order stage.



Each member of Dieci Electric actively contributes to increasing the value of the entire production process of the company in the awareness that the real strength is in the team.



SERIES BS

Electric panels for refrigerated counter

PANEL BOARD SERIES

The BS electrical panels are the ideal solution for the management and control of the refrigerated cabinet for both markets and supermarkets. This SERIES has been designed to meet any customer need. The electronic available for assembly is among the best available on the market: Dixell, Eliwell and Carel.

Both the electronic for controlling the electronic valve and the differential protections are available on request. The strategic choice of components makes this SERIES an excellent solution for those who want a good relationship between investment costs and benefits. Standard magnetothermic protections guarantee a high level of efficiency and functionality of the electrical panels. The carpentry was designed to optimize installation on the refrigerated cabinet. In fact, it has been designed for cable wiring and does not require drilling. The Cable Kit is optional.

BS3 C _ BS3 D _ BS3 E _ BS10 C _ BS10 D _ BS10 E

PANEL CODE	BS3 C	BS3 D	BS3 E
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DESCRIPTION	Electrical panel for single-phase cold rooms with Carel electronic.	Electrical panel for single-phase cold rooms with Dixell electronic.	Electrical panel for single-phase cold rooms with Eliwell electronic.
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TECHNICAL FEATURES

ELECTRONIC	Carel	Dixell	Eliwell
BOX SIZE	100*540*177	100*540*177	100*540*177
WEIGHT	5Kg	5Kg	5Kg
BOX LEVEL OF PROTECTION	IP20	IP20	IP20
ENVIRONMENT RELATIVE HUMIDITY	<90% RH	<90% RH	<90% RH
STORAGE TEMPERATURE	-10÷+60°C	-10÷+60°C	-10÷+60°C
WORKING TEMPERATURE	-5÷+45°C	-5÷+45°C	-5÷+45°C
SUPPLY	230V AC ±10% 50-60Hz	230V AC ±10% 50-60Hz	230V AC ±10% 50-60Hz
GENERAL PROTECTION	Standard Thermoswitch	Standard Thermoswitch	Standard Thermoswitch
SIGNALING AND ALARM	Display	Display	Display
DEFROSTING MANAGEMENT WITH CLOCK	RTC	RTC	RTC

INPUTS

CELL PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
EVAPORATOR PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
MICRO DOOR	Standard	Standard	Standard



PANEL CODE	BS3 C	BS3 D	BS3 E
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OUTPUT			
ELECTRIC DEFROSTING	3000W single-phase	3000W single-phase	3000W single-phase
EVAPORATOR FANS	500W single-phase	500W single-phase	500W single-phase
SOLENOIDE FAN	Standard	Standard	Standard
LIGHT CELL	850W AC1	850W AC1	850W AC1
RS485 ACCESS	Standard	Standard	Standard



BS3 C



BS3 D



BS3 E

All products have the possibility of customization with your own brand.
Customization requires a minimum of lots to be established at the order stage.

PANEL CODE	BS10 C	BS10 D	BS10 E
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DESCRIPTION	Electric panel for three-phase cold rooms with Carel electronic.	Electrical panel for three-phase cold rooms with Dixell electronic.	Electrical panel for three-phase cold rooms with Eliwell electronic.
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TECHNICAL FEATURES

ELECTRONIC	Carel	Dixell	Eliwell
BOX SIZE	100*540*177	100*540*177	100*540*177
WEIGHT	5Kg	5Kg	5Kg
BOX LEVEL OF PROTECTION	IP20	IP20	IP20
ENVIRONMENT RELATIVE HUMIDITY	<90% RH	<90% RH	<90% RH
STORAGE TEMPERATURE	-10÷+60°C	-10÷+60°C	-10÷+60°C
WORKING TEMPERATURE	-5÷+45°C	-5÷+45°C	-5÷+45°C
SUPPLY	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz	400V AC ±10% 50-60Hz
GENERAL PROTECTION	Standard Thermoswitch	Standard Thermoswitch	Standard Thermoswitch
SIGNALING AND ALARM	Display	Display	Display
DEFROSTING MANAGEMENT WITH CLOCK	RTC	RTC	RTC

INPUTS

CELL PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
EVAPORATOR PROBE	NTC 10 Ohm 1%	NTC 10 Ohm 1%	NTC 10 Ohm 1%
MICRO DOOR	Standard	Standard	Standard



PANEL CODE	BS10 C	BS10 D	BS10 E
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OUTPUT			
ELECTRIC DEFROSTING	10000W three-phase	10000W three-phase	10000W three-phase
EVAPORATOR FANS	500W single-phase	500W single-phase	500W single-phase
SOLENOIDE FAN	Standard	Standard	Standard
LIGHT CELL	850W AC1	850W AC1	850W AC1
RS485 ACCESS	Standard	Standard	Standard



BS10 C



BS10 D



BS10 E

All products have the possibility of customization with your own brand.
Customization requires a minimum of lots to be established at the order stage.



Cable kit available on request on the whole BS series. Carpentry of the series with holes for the wiring cables. The carpentry prepared for drilling facilitates the positioning of the display during the installation phase. Easy removal of the top cover.



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