



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
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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
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PANEL CODE	FC66	FC1010	FC1616
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	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 thermostwitch	Standard thermostwitch	Standard thermostwitch
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**

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