



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.
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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 thermostat	Standard thermostat
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

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.
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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

OUTPUT

ELECTRIC DEFROSTING	16000W three-phase	21000W 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
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**

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