



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
SOLENOID 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**	✓	✓	✓
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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.
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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	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 Thermostat	Standard Thermostat	Standard Thermostat
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	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.
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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	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

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



