



CAREL

MasterCella

New generation: know how, performance e design

MasterCella represents one of the leading products in the CAREL refrigeration range. When it was introduced to the market it marked a turning point within the industry. Today, thanks to the experience gained, **MasterCella** has been renewed and proposed to the market with an up-to-date design, closer to the customer's current expectations. The new generation **MasterCella** is the answer to the needs of integrated solutions for cold rooms.

- More space dedicated to the wiring;
- Possible installation of a general switch;
- Cable connection either from the top or bottom;
- Clock for real time defrost;
- HACCP functions;
- Easy customisation thanks to the removable front plastic particulars.

These innovative and functional characteristics make **MasterCella** the benchmark within the refrigeration market

General hardware characteristics

- Buzzer as standard on all models;
- possibility on all models to connect NTC temperature probes (type HT, max 150 °C);
- digital inputs configurable for the connection of NTC probes;
- infrared option for using the remote control;
- real time clock for the defrost and HACCP functions;
- possibility to download/read the parameters via a programming key;
- 230 Vac versions with built-in transformer or 115/230 switching power supply
- high-efficiency green LED display with icons;
- large space inside to house the general switch or other auxiliary devices.

General software characteristics

- Condenser probe management;
- all the functions of ir33 range;
- smart defrost with different operating modes;
- management of HACCP functions;
- possibility to configure the auxiliary relay as a second delayed compressor;
- easy display interface and programming access;
- pump-down management;
- automatic procedure for assigning the serial network addresses;
- keypad lock for individual functions or buttons;
- 2nd evaporator defrost management;
- neutral zone management;
- settable up to 7 different programming in the same control.

Codes

	OUTPUTS					INPUTS					PLUS							
	compressor	defrost	evaporator fan	aux 1	light / aux 2	ambient temperature	defrost temperature	digital input/ probe 3	digital input/ probe 4	digital input/ probe 5	HACCP	programming key	high efficiency display	buzzer	infrared	real time clock	optional "hot point" display terminal	optional RS485 board
MD33A0*N00	16 A				8 A	16 A	●	●	●	●	●	●	●	●	●	●	●	●
MD33A2*R00	30 A				8 A	16 A	●	●	●	●	●	●	●	●	●	●	●	●
MD33A5*R00	30 A				8 A	2HP	●	●	●	●	●	●	●	●	●	●	●	●
MD33D0*N00	16 A	16 A	8 A	8 A	16 A	16 A	●	●	●	●	●	●	●	●	●	●	●	●
MD33D0*B00	16 A	16 A	8 A	8 A	16 A	16 A	●	●	●	●	●	●	●	●	●	●	●	●
MD33D2*N00	30 A	16 A	8 A	8 A	16 A	16 A	●	●	●	●	●	●	●	●	●	●	●	●
MD33D5*N00	30 A	16 A	8 A	8 A	2HP	16 A	●	●	●	●	●	●	●	●	●	●	●	●
MD33D5*B00	30 A	16 A	8 A	8 A	2HP	16 A	●	●	●	●	●	●	●	●	●	●	●	●

(*) E = 230V, H = 115/230V

Options

IROPKEY00: programming key with battery
 IROPKEYA0: programming key with power supply
 PSOPZPGR00: programming kit

IROPZSER30: RS485 serial card
 ITRRES000: remote control

Installation and electrical wiring diagrams

