High
Efficiency
Solutions.

CAREL



ir33+ range

...continuity, innovation and design

ir33+ and ir33+wide - the maximum form of technology for professional refrigeration

In-depth knowledge of applications in the sector and the needs of the market has allowed CAREL to design products that are technologically advanced and simple to use, with special attention to details.

- touch keypad
- completely flat surface
- larger display
- intuitive user interface
- Modbus® and CAREL protocols
- mechanical, electrical and functional compatibility with ir33

ir33+ is the evolution of the ir33 family, inheriting and extending all the features that have made it a market benchmark over the years, in terms of:

- appearance:
  - touch keypad
  - completely flat surface, for much better hygiene, in complete compliance with HACCP requirements
  - new design and new layout of the buttons
- usability:
  - larger and brighter display (30% bigger than the ir33), available in green, blue, red and white
  - intuitive user interface: ON/OFF, dedicated alarm icons and direct muting of the buzzer
  - context messages on the display while browsing
- Integration with monitoring and supervisory systems:
  - Modbus® and CAREL protocols (with automatic recognition) available as standard on the entire range
- compatibility with ir33:
  - drilling template, assembly, dimensions, wiring diagrams and parameters are the same as on the ir33



Larger display

The display, 30% bigger than on the ir33, makes the temperature much easier to read.

Intuitive approach to control

The layout of the buttons has been designed to ensure direct access to the main functions.

Multifunctional

The new range of controllers inherits all the features of the ir33 family, while increasing their flexibility.

Flat

The surface of the controllers is perfectly flat and thin, allowing easy cleaning and ensuring the highest level of hygiene, in complete compliance with HACCP requirements.

Intuitive

New, more intuitive user interface.
The main functions are highlighted, such as set point display and auxiliary output activation.

Touch

The keypad is touch sensitive for a more attractive and appealing look.
This allows the possibility to create custom user interfaces based on different applications.







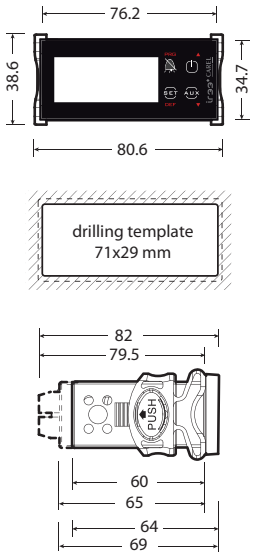
Integration with monitoring and supervisory systems

Modbus® and CAREL protocol, with automatic recognition, available as standard on the entire ir33+ range of controllers.

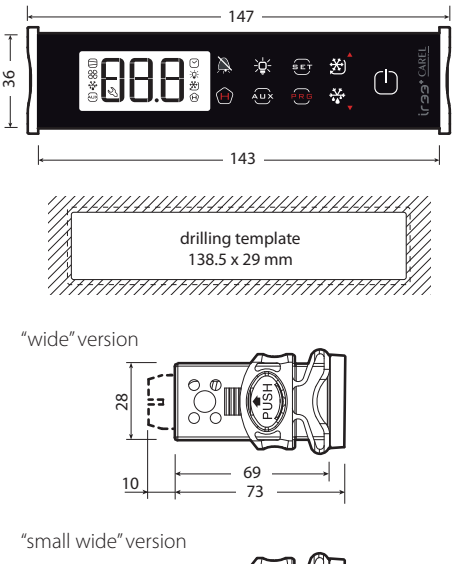


Faceplates and drilling templates

ir33+



ir33+ wide



Easy to customise

The polycarbonate keypad makes customising the controllers extremely easy.

Guaranteed hygiene

The completely flat surface allows easy cleaning and therefore much better hygiene.

Standards compliance

Recording and display of events, plus the control features available, guarantee compliance with HACCP standards

Table of part numbers and cross-references with previous versions

	power supply	inputs	outputs					terminals	LEDs	RTC	corresponding ir33 P/N
						aux1	aux2				
ir33+											
IREVM00N00	12 Vac	2 NTC 1 DI	-	-	-	-	-	screw	green	-	IR33M00N00
IREVM0EN00	230 Vac	2 NTC 1 DI	-	-	-	-	-	screw	green	-	IR33M0ER00 (NO IR)
IREVS00N00	12 Vac	2 NTC 2 DI	16 A	-	-	-	-	screw	green	-	IR33S00N00
IREVC00N00	12 Vac	2 NTC 2 DI	16 A	8 A	8 A	8 A	-	screw	green	-	IR33C00N00
IREVS0LN00	12-24 Vac	2 NTC 2 DI	16 A	-	-	-	-	screw	green	-	IR33S0LN00 IR33S0LR00 (NO IR)
IREVY0LN00	12-24 Vac	2 NTC 2 DI	16 A	8 A	-	-	-	screw	green	-	IR33Y0LR00 (NO IR)
IREVC0LN00	12-24 Vac	2 NTC 2 DI	16 A	8 A	8 A	8 A	-	screw	green	-	IR33C0LN00 IR33C0LR00 (NO IR)
IREVC0LC00	12-24 Vac	2 NTC 2 DI	16 A	8 A	8 A	8 A	-	screw	green	✓	IR33C0LB00 (NO IR)
IREVC7LN00	12-24 Vac	2 NTC/PTC 2 DI	16 A	8 A	8 A	8 A	-	screw	green	-	IR33C7LN00 IR33C7LR00 (NO IR)
IREVC0HN00	115-230 Vac	2 NTC 2 DI	16 A	8 A	8 A	8 A	-	screw	green	-	IR33C0HR00 (NO IR)
IREVC7HN00	115-230 Vac	2 NTC/PTC 2 DI	16 A	8 A	8 A	8 A	-	screw	green	-	IR33C7HR00 (NO IR)
IREVC0HC00	115-230 Vac	2 NTC 2 DI	16 A	8 A	8 A	8 A	-	screw	green	✓	IR33C0HB00 (NO IR)
IREVC0HC0A	115-230 Vac	2 NTC 2 DI	16 A	8 A	8 A	8 A	-	screw	blue	✓	IR33C0HB0A (NO IR)
IREVS0EN00	230 Vac	2 NTC 1 DI	8 A	-	-	-	-	screw	green	-	IR33S0EN00 IR33S0ER00 (NO IR)
IREVS0EP00	230 Vac	2 NTC 1 DI	16 A	-	-	-	-	screw	green	-	IR33S0EP00
IREVS0EA00	230 Vac	2 NTC 1 DI	8 A	-	-	5 A	-	screw	green	-	IR33S0EA00
IREVF0EN00	230 Vac	2 NTC 1 DI	8 A	8 A	5 A	-	-	screw	green	-	IR33F0EN00 IR33F0ER00 (NO IR)
IREVF0EC00	230 Vac	2 NTC 1 DI	8 A	8 A	5 A	-	-	screw	green	✓	IR33F0EC00
IREVF7EN00	230 Vac	2 NTC/PTC 1 DI	8 A	8 A	5 A	-	-	screw	green	-	IR33F7EN00
ir33+ power											
IREVY0AHA0	115 vac	2 NTC 1 DI	2 HP	8 A	-	-	-	screw	green	-	IR33Y0AHA0
IREVF0AHE0	115 vac	2 NTC 1 DI	2 HP	8 A Ind.	5 A	-	-	screw	green	-	IR33F0AHE0
IREVS0EHA0	230 Vac	2 NTC 1 DI	2 HP	-	-	-	-	screw 20 A	green	-	IR33S0EHA0
IREVF0EHA0	230 Vac	2 NTC 1 DI	2 HP	8 A	5 A	-	-	screw 20 A	green	-	IR33F0EHA0
IREVF0EHE0	230 Vac	2 NTC 1 DI	2 HP	8 A	5 A	-	-	screw 20 A	green	-	ir33F0EHE0
IREVC0HE20	115-230 Vac	2 NTC 2 DI	2 HP	8 A	8 A	8 A	-	plug-in	green	✓	IR33C0HF20 (NO IR)
IREVC0HH20	115-230 Vac	2 NTC 2 DI	2 HP	8 A	8 A	8 A	-	plug-in	green	-	IR33C0HH20
ir33+ wide											
PBEVY0EVLG	230 Vac	2 NTC 2 DI	16 A	8 A	-	8 A	-	spade & screw	green	-	-
PBEVC0HNLG	115-230 Vac	2 NTC 2 DI	2 HP	16 A	8 A	8 A	-	spade & plug-in	green	-	-
PBEVH0HNHG	115-230 Vac	2 NTC 2 DI	2 HP	16 A	8 A	8 A	8 A	spade & plug-in	green	-	-
PBEVH0HNHW	115-230 Vac	2 NTC 2 DI	2 HP	16 A	8 A	8 A	8 A	spade & plug-in	white	-	-
ir33+ small wide											
PBEVC0SNNG	115-230 Vac	2 NTC 2 DI	30A	8 A	5 A	5 A	-	screw	green	-	-
PBEVC0SNNW	115-230 Vac	2 NTC 2 DI	30A	8 A	5 A	5 A	-	screw	white	-	-

+3000064EN - 1.0 - 31.07.2013

© CAREL INDUSTRIES 2013 all rights reserved. CAREL INDUSTRIES reserves the right to modify the features of its products without prior notice.

Headquarters ITALY

CAREL INDUSTRIES HQs
Via dell'Industria, 11
35020 Brugine - Padova (Italy)
Tel. (+39) 0499 716611
Fax (+39) 0499 716600
carel@carel.com

Sales organization

CAREL Asia - www.carel.com
CAREL Australia - www.carel.com.au
CAREL China - www.carel-china.com
CAREL Deutschland - www.carel.de
CAREL France - www.carelfrance.fr
CAREL HVAC&R Korea - www.carel.com
CAREL Iberica - www.carel.es
CAREL India - www.carel.in
CAREL Nordic AB - www.carel.com
CAREL Russia - www.carelrussia.com
CAREL South Africa - www.carelcontrols.co.za
CAREL Sud America - www.carel.com.br
CAREL U.K. - www.careluk.co.uk
CAREL U.S.A. - www.carelusa.com

Affiliates

CAREL Czech & Slovakia - www.carel-cz.cz
CAREL Ireland - www.carel.com
CAREL Korea (for retail market) - www.carel.co.kr
CAREL Mexicana S de RL de CV - www.carel.mx
CAREL Thailand - www.carel.co.th
CAREL Turkey - www.carel.com.tr

All trademarks hereby referenced are the property of their respective owners. CAREL is a registered trademark of CAREL INDUSTRIES in Italy and/or other countries.