

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.

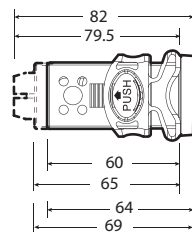
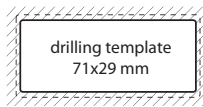
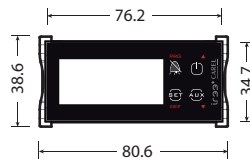


Refrigeration units

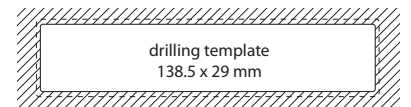
Air-conditioning

### Faceplates and drilling templates

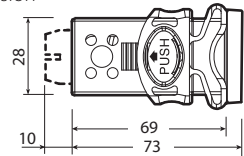
#### ir33+



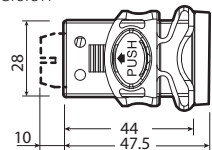
#### ir33+ wide



#### "wide" version



#### "small wide" version



### 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				
<b>ir33+</b>											
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)
IREVC0HCOA	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
<b>ir33+ power</b>											
IREVY0AHA0	115 vac	2 NTC 1 DI	2 HP	8 A	-	-	-	screw	green	-	IR33Y0AHA0
IREVFOAHE0	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
IREVFOEHA0	230 Vac	2 NTC 1 DI	2 HP	8 A	5 A	-	-	screw 20 A	green	-	IR33F0EHA0
IREVFOEHE0	230 Vac	2 NTC 1 DI	2 HP	8 A	5 A	-	-	screw 20 A	green	-	ir33F0EHE0
IREVCOHE20	115-230 Vac	2 NTC 2 DI	2 HP	8 A	8 A	8 A	-	plug-in	green	✓	IR33C0HF20 (NO IR)
IREVCOHH20	115-230 Vac	2 NTC 2 DI	2 HP	8 A	8 A	8 A	-	plug-in	green	-	IR33C0HH20
<b>ir33+ wide</b>											
PBEVY0EVLG	230 Vac	2 NTC 2 DI	16 A	8 A	-	8 A	-	spade & screw	green	-	-
PBEVCOHNLG	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	-	-
<b>ir33+ small wide</b>											
PBEVCOSNNG	115-230 Vac	2 NTC 2 DI	30A	8 A	5 A	5 A	-	screw	green	-	-
PBEVCOSNNW	115-230 Vac	2 NTC 2 DI	30A	8 A	5 A	5 A	-	screw	white	-	-

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