



"Fit for purpose"  
and world's best  
practice in terms  
of food safety

# SmartCella

## The essential solution for your small cold rooms

SmartCella can satisfy all needs in terms of features, installation, usability, expandability and flexibility with an essential but powerful solution.

Target applications are small cold rooms with basic requirements for:

- Restaurants
- Resorts
- Butchers
- Greengrocers

### Smart solution

SmartCella is a smart and compact solution for the complete management of small single-phase cold rooms. It follows the logic of the ir33+ in terms of features, parameters and navigation, and benefits from the know-how and experience acquired with this product.

### Easy to use

SmartCella is easy to use thanks to its user interface, with a touch keypad and large buttons. Installation is simplified thanks to DIN rail in the box for fast wall mounting and the already widely used ir33 DIN wiring diagrams.

### Flexible and expandable

IP65 box is specifically designed for small cold room requirements: slim shape to be placed in the little space available, but still flexible to integrate additional components inside, such as:

- 3Hp relay
- Isolator, auxiliary terminal board
- Contactor

- Smart solution based on ir33+ logic and experience
- Intuitive user interface
- Flexible IP65 box ready for additional components
- Modbus and Carel protocols with auto-recognition
- DIN rail for fast wall mounting




# SmartCella: just a few P/Ns with I/Os and features needed for target applications

## Normal temperature cold rooms

1 output relay model





+3°C

output	inputs				
Relays	Sensors/Digital inputs				
Compressor	B1	B2	B3	B4	B5
 16 A, voltage free	NTC		NTC Digital inputs		

## Low temperature cold rooms

4 output relays model

-18°C

output				inputs				
Relays				Sensors/Digital inputs				
Compressor	Defrost heaters	Evaporator fans	light	B1	B2	B3	B4	B5
 2 HP, 230 Vac	 16 A, 230 Vac	 8 A, 230 Vac	 8 A, voltage free	NTC		NTC Digital inputs		

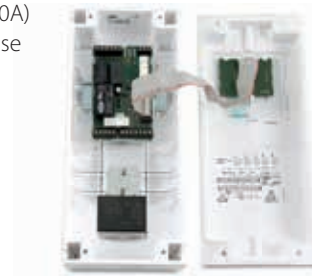
## Flexible and expandable with additional contents

Model with free space to allow customers to add:

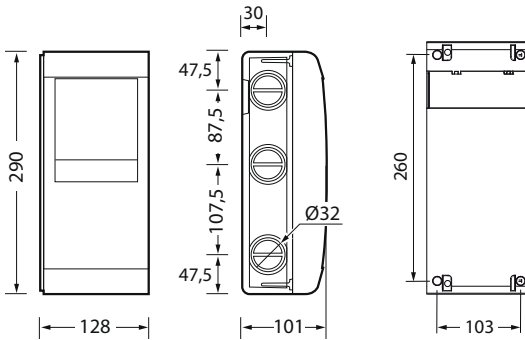
- External relays
- Contactors
- Auxiliary terminals



Model with additional 3Hp (30A) relay for compressor to increase cooling capacity\*



## Dimensions (mm)



## Different layout for different installations





## Horizontal layout\*

suitable to be placed over the door where there is lack of space or when end user doesn't have to access to user interface

\* Model available on request

## Product P/Ns

Size	P/N	Description
	WE00S1EN00	SmartCella 1 relay for NT cold rooms. Power supply 230 Vac, 16A compressor relay, 180° screw terminals
	WE00C2HN00	SmartCella 4 relays for LT cold rooms. Power supply 115/230 Vac, 2Hp compressor relay, 16A defrost relay, 8A fan relay, 8A auxiliary relay, 180° screw terminals



### Easy to use

Thanks to touch keypad with large buttons, large and bright ir33+ display, and ir33+ logic



### Easy to install

Thanks to DIN rail for fast wall mounting and standard ir33 DIN wiring diagrams



### Flexible and expandable

Easy upgradable with additional components and expandable thanks to new modular mechanical system

## 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](http://www.carel.com)  
CAREL Australia - [www.carel.com.au](http://www.carel.com.au)  
CAREL China - [www.carel-china.com](http://www.carel-china.com)  
CAREL Deutschland - [www.carel.de](http://www.carel.de)  
CAREL France - [www.carelfrence.fr](http://www.carelfrence.fr)  
CAREL HVAC&R Korea - [www.carel.com](http://www.carel.com)  
CAREL Iberica - [www.carel.es](http://www.carel.es)

CAREL India - [www.carel.in](http://www.carel.in)  
CAREL Nordic AB - [www.carel.com](http://www.carel.com)  
CAREL Russia - [www.carelrussia.com](http://www.carelrussia.com)  
CAREL South Africa - [www.carelcontrols.co.za](http://www.carelcontrols.co.za)  
CAREL Sud America - [www.carel.com.br](http://www.carel.com.br)  
CAREL U.K. - [www.careluuk.co.uk](http://www.careluuk.co.uk)  
CAREL U.S.A. - [www.carelususa.com](http://www.carelususa.com)

## Affiliates

CAREL Czech & Slovakia - [www.carel-cz.cz](http://www.carel-cz.cz)  
CAREL Ireland - [www.carel.com](http://www.carel.com)  
CAREL Japan Co., Ltd. - [www.carel-japan.com](http://www.carel-japan.com)  
CAREL Korea (for retail market) - [www.carel.co.kr](http://www.carel.co.kr)  
CAREL Mexicana S de RL de CV - [www.carel.mx](http://www.carel.mx)  
CAREL Thailand - [www.carel.co.th](http://www.carel.co.th)  
CAREL Turkey - [www.carel.com.tr](http://www.carel.com.tr)