

# COLDFACE

Controllers for static and ventilated cold rooms



- › Complete management of static or ventilated cold rooms
- › Large high-visibility display
- › Intuitive access to the frequently used parameters
- › Large space for wiring and DIN rail modules

# Description

Coldface series controllers ensure the control of all static or ventilated cold room functions in a single device.

The enclosure, with innovative design for on-board installation, combines ease of installation, water resistance and the possibility of installing magneto-thermal switches on a DIN rail.

The versions with door on the front panel allow direct access to the magneto-thermal switch to manually stop the power supply.

The controllers are available with a series of advanced functions, such as the logging of HACCP events with a yearly calendar, Pump down management and programmed defrosts.



## Controllers for static and ventilated cold rooms

### Advantages

- Single-phase compressors up to 2HP
- Versions with 3 and 5 relays configurable for the complete management of all loads
- Models with clock for programmed defrosts and HACCP functions with yearly calendar
- Easy wall installation, wirings and commissioning
- Highly configurable for every application need
- Wide LED display for quick reading of the cold room status
- Easy to use keyboard and associated functions
- Flame retardant enclosure with high internal capacity, resistant to water splashes
- Connectivity to Televis and Modbus monitoring systems

### Easy installation

Coldface series controllers are easy to install thanks to the following features:

- Fast wiring thanks to the screw terminals, 230V~ direct power supply and large space inside the enclosure
- Guided wall-mounted application for easy installation
- Direct access to power supply switches

### Ease of use

Coldface series controllers are easy and intuitive to use thanks to the following features:

- Intuitive user interface
- Direct access to the most used parameters
- Double high-visibility display
- Luminous icons and six large-size keys for direct access to functions

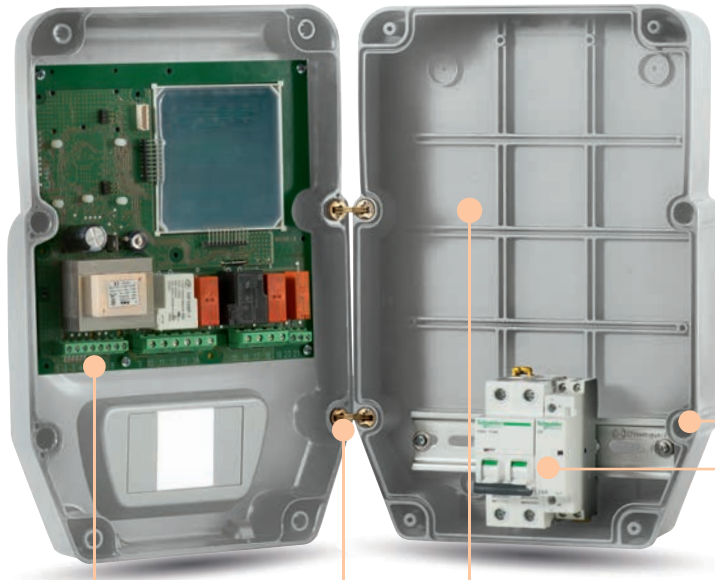
### Rapid programming and supervision

- Compatible with Eliwell supervision Televis systems and Modbus third party systems
- Fast set-up thanks to the quick programming with UNICARD and DeviceManager software

Documentation available on Eliwell @ website

[www.eliwell.com](http://www.eliwell.com)

# Models



Easily accessible terminal block

Robust brass hinges with 180° opening applicable to both sides

Space for the passage of conductors and grid for installing low profile DIN devices

Pre-arrangement for installing devices up to 4 DIN modules

Integrated seal IP65

**EWRC 500 NT HACCP**  
5 configurable outputs, HACCP with clock and yearly calendar

**EWRC 500 NT**  
5 configurable outputs

**EWRC 300 NT**  
3 configurable outputs

## Technical data

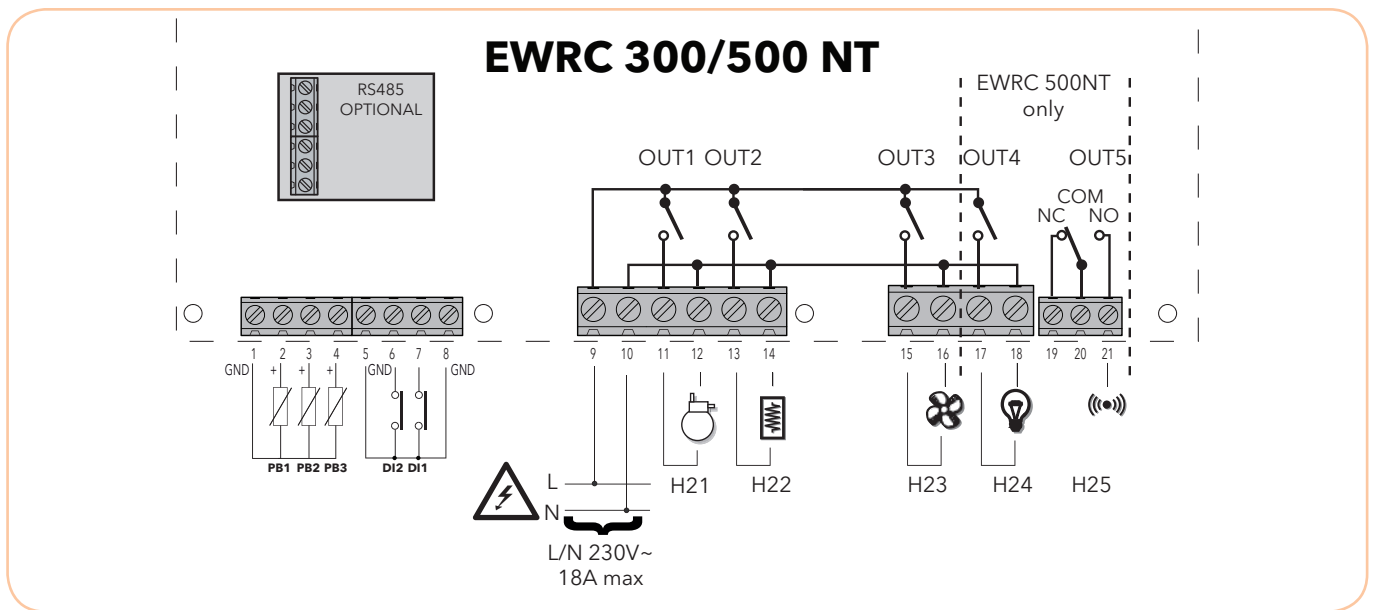
	EWRC 300 NT	EWRC 500 NT	Notes
Enclosure rating	IP65	IP65	
Installation	wall	wall	
Dimensions	210x315x110mm	210x315x110mm	
Power supply	230V~ / 14W	230V~ / 14W	
Terminals	Screw-type	Screw-type	
Digital outputs	2HP 250Vac AC1 SPST	2HP 250Vac AC1 SPST	compressor
	16A 250Vac AC1 SPST	16A 250Vac AC1 SPST	defrost
	8(3)A 250Vac AC1 SPST	8(3)A 250Vac AC1 SPST	fans
	-	16A 250Vac AC1 SPST	light
	-	8(3)A 250Vac AC1 SPST	alarm /auxiliary
Digital inputs	2 voltage free	2 voltage free	
Analogue inputs	3 x NTC / PTC	3 x NTC / PTC	selectable PTC by parameter
Connectivity	RS-485 Televis	RS-485 Televis	with Optional Module
RTC Clock	optional	optional	
HACCP	optional	optional	
Operating temperature	-5...+50°C	-5...+50°C	
Operating humidity	10...90% RH	10...90% RH	non-condensing




### Typical applications

- Butchers
- Delicatessens
- Hotels and catering
- Cheese production
- Pasta production
- Wine production
- Supermarkets
- Cold stores
- Distribution centres



# Wiring diagram and Accessories



Code	Description
<b>Interfaces, programming keys</b>	
 <b>CC0S00A00M000</b>	Programming key for loading/downloading parameters
<b>CCA0BHT00UU00</b>	Interface module DMI100-3 Manufacturer
<b>MFK100T000000</b>	Programming key for loading/downloading parameters
<b>Temperature probes</b>	
 <b>SN691150</b>	1.5m thermoplastic rubber cable NTC IP68 and 5X20mm thermoplastic tip
<b>SN8DED11502C0</b>	1.5m thermoplastic rubber cable NTC IP68 and 5X20mm thermoplastic tip
<b>SN8DAE11502C0</b>	1.5m thermoplastic rubber cable NTC IP68 and 6X20mm Steel tip
<b>SN8DED13002C0</b>	3m thermoplastic rubber cable NTC IP68 and 6X20mm Steel tip
<b>SN8DAE13002C0</b>	3m thermoplastic rubber cable NTC IP68 and 6X20mm Steel tip
<b>RS485 plugin</b>	
 <b>KP00Q150</b>	RS485 Plug-in module 40x49 Screw terminal blocks
<b>KP00Q350</b>	RS485 Plug-in module 40x49 Removable terminal blocks
<b>Various</b>	
<b>ZZ000292</b>	plug cover TDI 20 (12pcs)
<b>ZZ000291</b>	concealed brass hinge (12pcs)

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