

COLDFACE NT

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

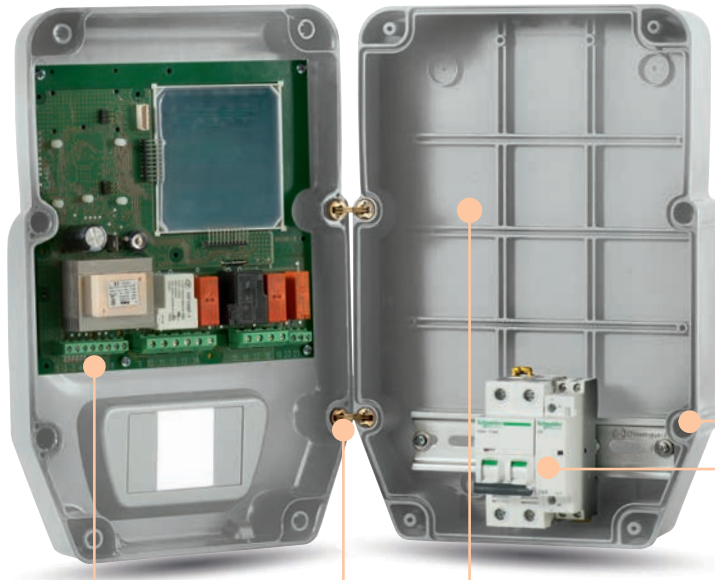
Rapid programming and supervision

- 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

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

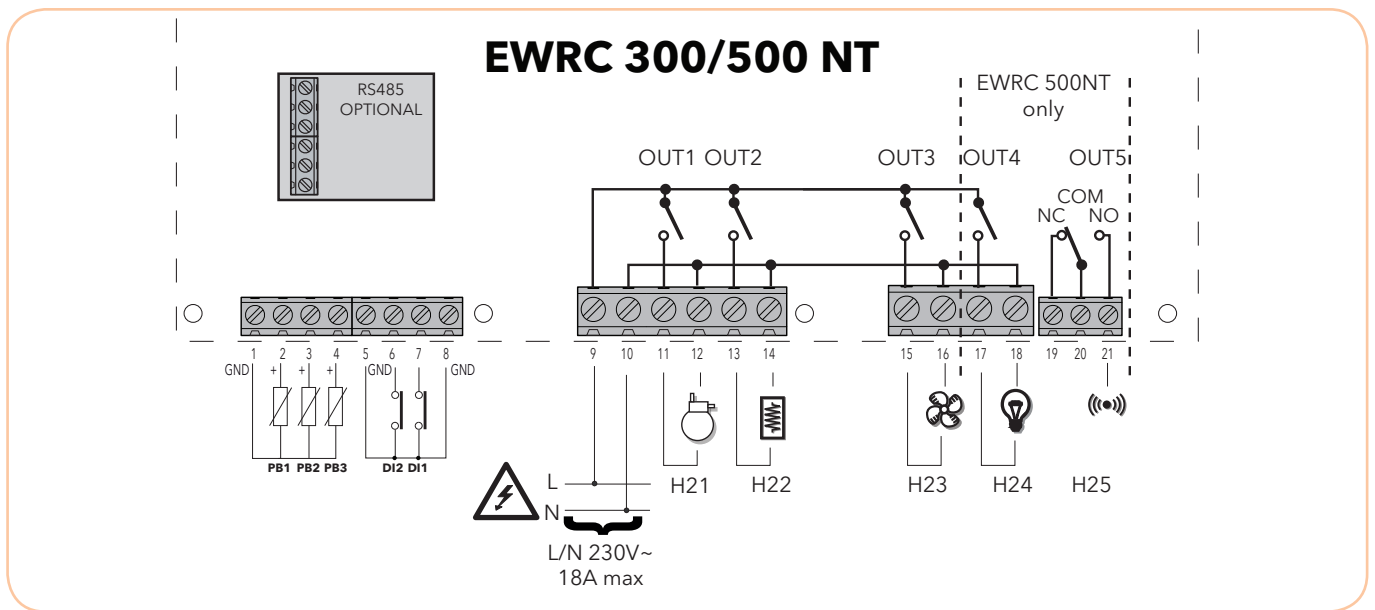
	EWRC300	EWRC500	Notes
Enclosure rating	IP65	IP65	
Installation	wall	wall	
Dimensions	210x315x110mm	210x315x110mm	
Power supply	230V~ / 14W	230V~ / 14W	
Terminals	Screw-type	Screw-type	
Digital outputs	2HP 250Vac AC1 SPST	2HP 250Vac AC1 SPST	compressor
	16A 250Vac AC1 SPST	16A 250Vac AC1 SPST	defrost
	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
Interfaces, programming keys	
 CC0S00A00M000	Programming key for loading/downloading parameters
CCA0BHT00UU00	Interface module DMI100-3 Manufacturer
MFK100T000000	Programming key for loading/downloading parameters
Temperature probes	
 SN691150	1.5m thermoplastic rubber cable NTC IP68 and 5X20mm thermoplastic tip
SN8DED11502C0	1.5m thermoplastic rubber cable NTC IP68 and 5X20mm thermoplastic tip
SN8DAE11502C0	1.5m thermoplastic rubber cable NTC IP68 and 6X20mm Steel tip
SN8DED13002C0	3m thermoplastic rubber cable NTC IP68 and 6X20mm Steel tip
SN8DAE13002C0	3m thermoplastic rubber cable NTC IP68 and 6X20mm Steel tip
RS485 plugin	
 KP00Q150	RS485 Plug-in module 40x49 Screw terminal blocks
KP00Q350	RS485 Plug-in module 40x49 Removable terminal blocks
Various	
ZZ000292	plug cover TDI 20 (12pcs)
ZZ000291	concealed brass hinge (12pcs)

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