

Life Is On



# COLDFACE

Connectable controllers  
and switchboards  
for cold rooms



Download and try  
Eliwell AIR

[eliwell.com/coldface-air](http://eliwell.com/coldface-air)

# COLDFACE

## Connectable controllers and switchboards for cold rooms

Coldface AIR series controllers and switchboards provide control of all static or ventilated cold room functions in a single device, with both single-phase and three-phase loads.

The enclosure, with innovative design for on-board installation, combines ease of installation, water resistance and the capability to house all electromechanical devices required for correct cold room load control and protection, easily accessible in the versions with door on the front panel.

Coldface AIR controllers are available with a series of advanced functions improving the energy efficiency of the application.

A quick and easy set-up is possible by connecting to the controller via Eliwell AIR app\*. This enables an advanced configuration to improve cold room efficiency in a shorter time.

The Coldface range is certified compliant with the EN61439 - EN60204 standards for low-voltage switchgear for installation on machinery.



\*connection via HACCP Module - to be ordered separately

# Plus points



## Easy to install

- Fast wiring thanks to screw or spring-clamp terminal blocks, direct power supply
- Guided wall-mounted application
- Large space inside the enclosure with direct access to the protection circuit breakers



## User friendly

- Intuitive user interface thanks to a large double display
- Direct access to the most used parameters



## Quick start-up and supervision tools

- Fast programming with Eliwell AIR app
- Compatibility with Eliwell TelevisGo supervision system



The large LED display allows constant monitoring of cold room status.



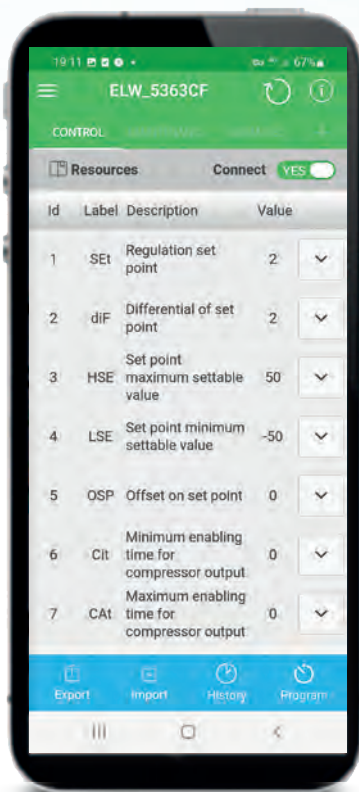
# COLDFACE connectable via Eliwell AIR app to the HACCP Module!

Learn more about the advantages depending on your job

## ARE YOU A REFRIGERATION INSTALLER?

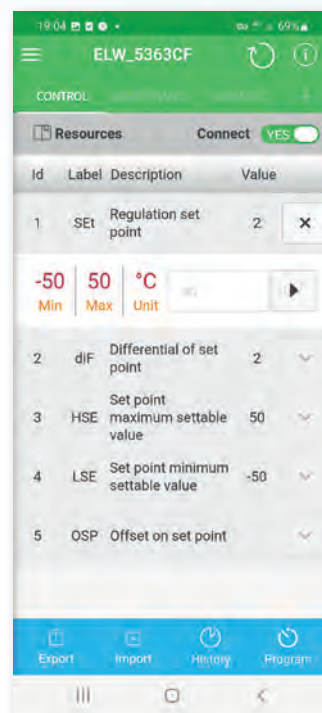
### Easy access

to coldface parameters setting.



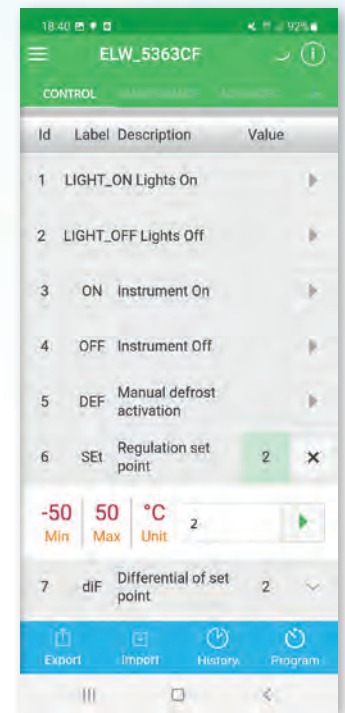
### Easy configuration

each parameter includes the range of values that can be set and its measurement unit.



### Secure programming

thanks to the green button feedback.



## Typical applications


- > Butchers
- > Delicatessens
- > Catering
- > Hotels
- > Dairies
- > Pasta producers
- > Wineries
- > Cold stores

# ARE YOU THE OWNER OF A SMALL SHOP?

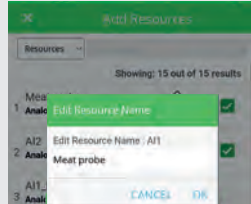
## HACCP Report

Customization step by step

**1** Preferred resources can be selected according to user needs.



**2** Registered resources name can be customized to be recognizable as per shop layout.



**3** Access the resources list with self-explaining labels.

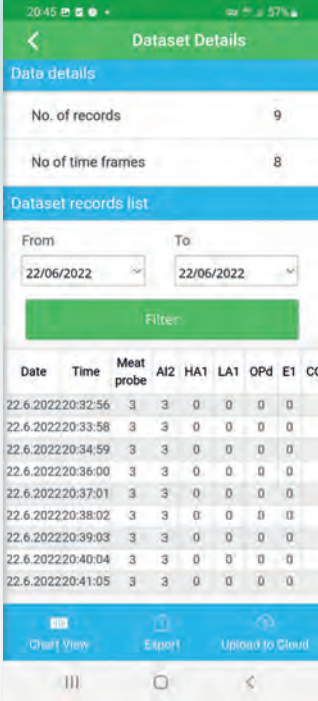


## HACCP data table

Selected data will be shown in a clear layout

HACCP report can be downloaded in **.csv** and **.pdf** format. The file can be shared on social networks or e-mail, sent to a specific device via Bluetooth, or saved in the device's memory.

This procedure can be used to create specific reports including alarm events, in order to share the alarm history to the installer to better organize on-field maintenance.



**Dataset Details**

Data details

- No. of records: 9
- No. of time frames: 8

Dataset records list

From: 22/06/2022 To: 22/06/2022

Date	Time	Meat probe	AI2	HA1	LA1	OPD	E1	CC
22.6.2022	20:32:56	3	3	0	0	0	0	0
22.6.2022	20:33:58	3	3	0	0	0	0	0
22.6.2022	20:34:59	3	3	0	0	0	0	0
22.6.2022	20:36:00	3	3	0	0	0	0	0
22.6.2022	20:37:01	3	3	0	0	0	0	0
22.6.2022	20:38:02	3	3	0	0	0	0	0
22.6.2022	20:39:03	3	3	0	0	0	0	0
22.6.2022	20:40:04	3	3	0	0	0	0	0
22.6.2022	20:41:05	3	3	0	0	0	0	0

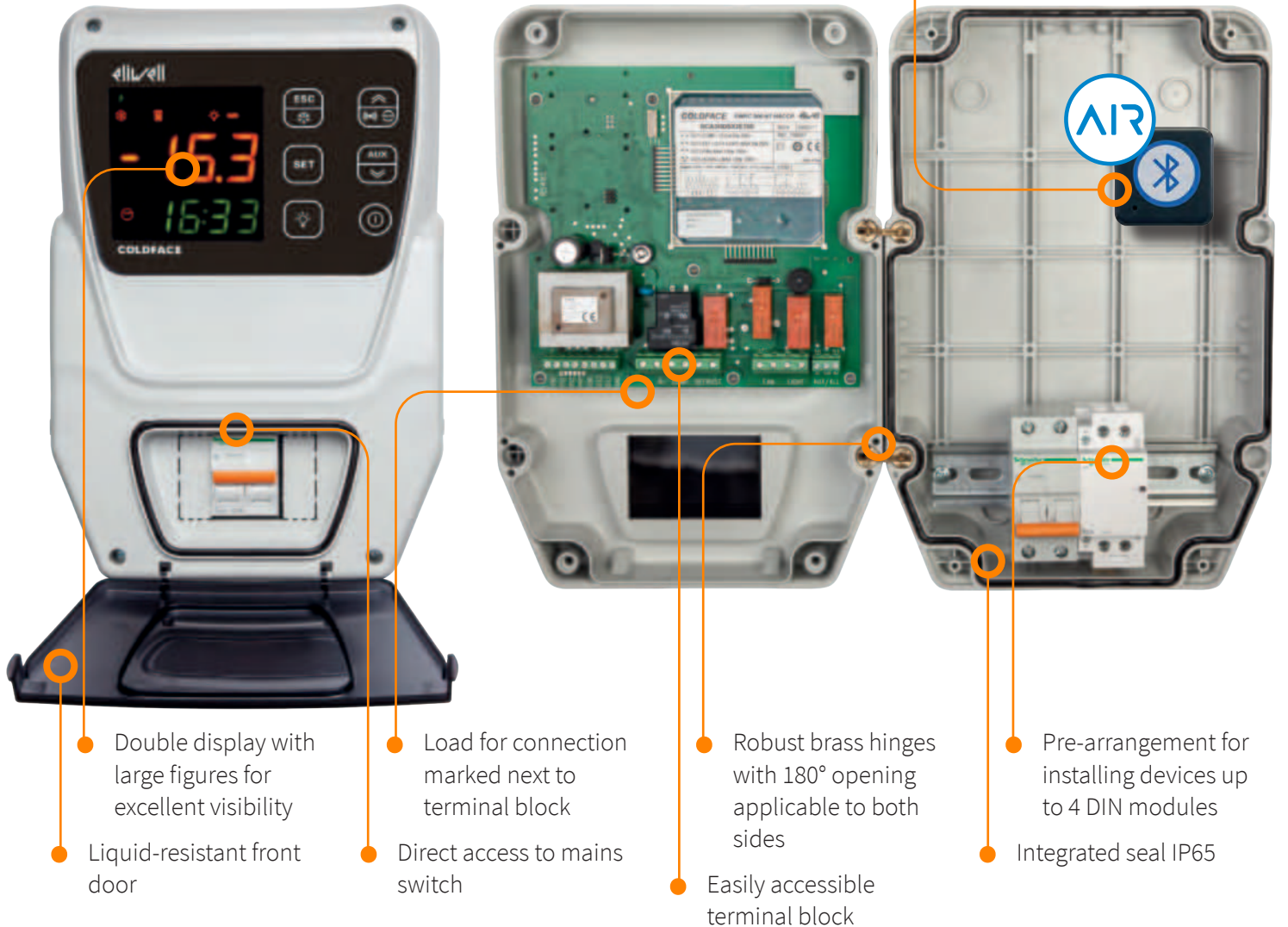
- > Distribution centres
- > Greengrocers
- > Food Trucks





# EWRC 300 NT - EWRC 500 NT

## General specifications



Download and try  
Eliwell AIR

- 1 Download Eliwell AIR app
- 2 Add new device clicking on “+”
- 3 Tap on device name when recognized
- 4 Enter bluetooth password **123456**
- 5 Tap **Resources** and select the ones you want to try!

Line of electronic controllers for single-phase cold rooms, with direct control of compressors up to 2 HP, evaporator fan, defrost heater, cold room light and alarm.

Front door providing water-splash protection for the interior accommodating up to 4 DIN modules, with direct access to the magneto-thermal mains switch.

Connection to Televis or ModBus supervision systems possible with opto-isolated plug-in accessory.

The product is certified compliant with the European directives regulating low-voltage switchgear for installation on machinery (EN61439 - EN60204).

# EWRC 300 NT - EWRC 500 NT

## Technical data



	EWRC 300 NT	EWRC 500 NT	EWRC 500 NT BREAKER
<b>Dimensions</b>	213x318x102 mm		221x318x107 mm
<b>Enclosure</b>	PC + ABS		
<b>Enclosure rating</b>	IP65		
<b>Installation</b>	Wall		
<b>Display</b>	3 digits + sign and 4 digits		
<b>Display range</b>	NTC: -50...110 °C / PTC: -55...150 °C		
<b>Resolution</b>	0.1 °C		
<b>Analogue inputs</b>	3(2) x NTC / PTC*		
<b>Digital inputs</b>	2(3) voltage-free		
<b>Digital outputs</b> (default config. *)	12(12) A 2 HP 250 Vac SPST		
Compressor			
Defrost	8(8) A 1 HP 250 Vac SPST		
Evaporator fan	8(4) A ½ HP 250 Vac SPST		
Light	-	8(8) A 1 HP 250 Vac SPST	
Alarm	-	8(4) A ½ HP 250 Vac SPST	
<b>Connections</b>	Screw-type		
<b>RTC Clock</b>	Optional		
<b>HACCP</b>	Optional		
<b>Connectivity</b>	TTL serial port for HACCP Module and Unicard; RS485** port for Televis supervision system and Modbus RTU systems.		
<b>Power supply</b>	230 Vac / 11 VA		
<b>Interruttore</b>	-	230 Vac Icn 4500 A 2P	
<b>Nominal current</b>	-	In = 16 A	
<b>Pulse voltage</b>	-	4 KV	
<b>Operating temperature</b>	-5...+50 °C		
<b>Operating humidity</b>	10...90 % RH (non condensing)		

\* configurable by user

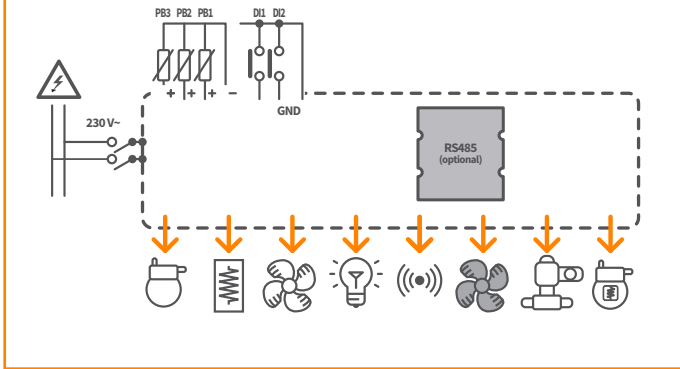
## Table of codes

Code	Description	Notes
<b>RCNS3HDLX2*700</b>	EWRC 300 NT 2HP BUZZER AIR	Buzzer/AIR
<b>RCNS3UDLX2*700</b>	EWRC 500 NT 2HP BUZZER AIR	Buzzer/AIR
<b>RCNS3UDTX2*700</b>	EWRC 500 NT 2HP RTC HACCP BUZ AIR	HACCP/BUZZER/RTC/AIR
<b>RCNA3UDLX2*700</b>	EWRC 500 NT 2HP BUZZER 4DIN AIR	Buzzer/DIN rail/AIR
<b>RCNA3UDTX2*700</b>	EWRC 500 NT 2HP RTC HACCP BUZ 4DIN AIR	HACCP/BUZZER/RTC/DIN RAIL/AIR
<b>RCNA3UDRX2*700</b>	EWRC 500 NT 2HP BUZ 4D W\B AIR	Buzzer/DIN rail with Circuit Breaker/AIR
<b>RCNA3UDSX2*700</b>	EWRC 500 NT 2HP RTC HACCP BUZ 4D W\B AIR	HACCP/Buzzer/RTC/DIN rail with Circuit Breaker/AIR
<b>KP00Q1S0</b>	RS485 Plugin 40x49mm screw terminals	Optional module

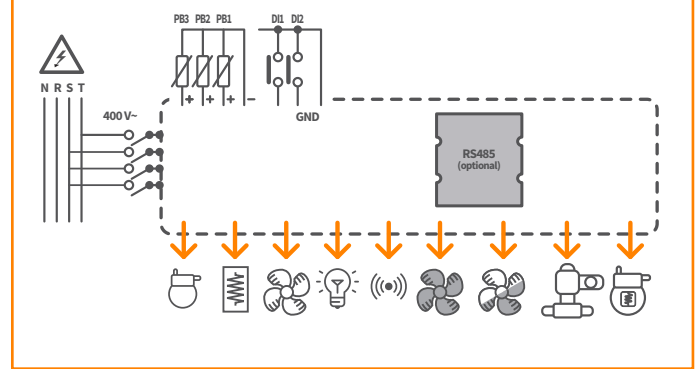
\* The number or letter in this position indicates the language available for the code:  
 0: ITA; E: ENG; F: FRA; G: GER; O: POL; R: RUS; S: SPA; T: TUR; U: Arabic; W: SWE; Z: BRA

# Functional diagrams

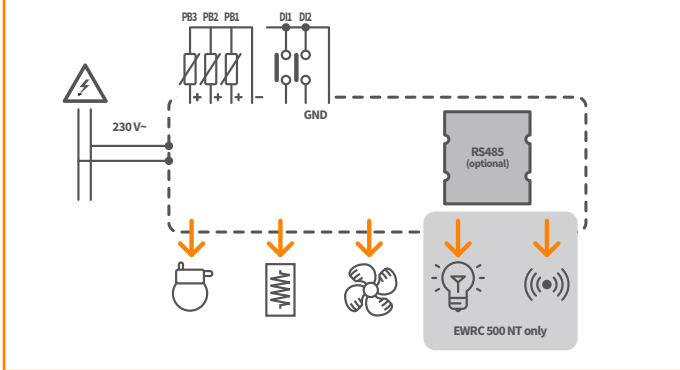
## EWRC 5010 NT



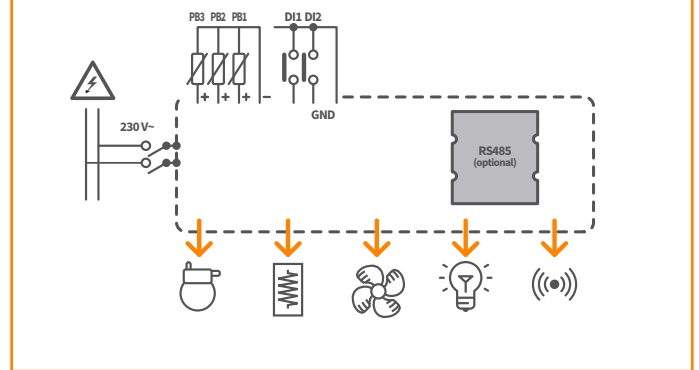
## EWRC 5030 NT



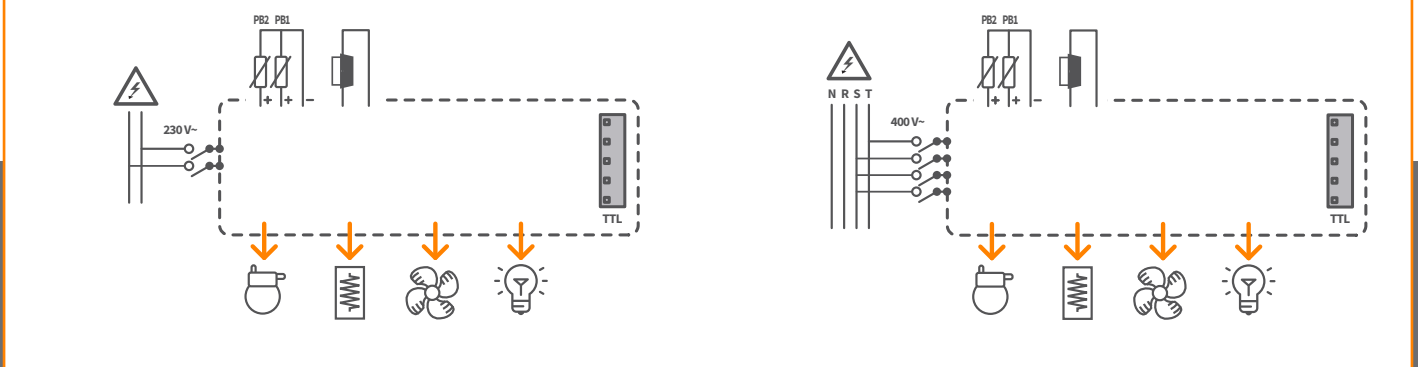
## EWRC 300 - 500 NT



## EWRC 500 NT 4D

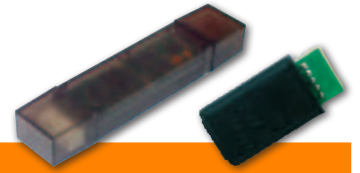


## IDPanel 978





# Accessories



## Interfaces, programming keys

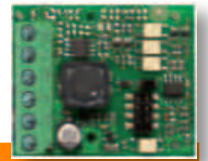
Code	Description
<b>ADBT50005110H0</b>	HACCP Module
<b>CC0S00A00M000</b>	Copy Card   Programming key for loading/downloading parameters
<b>CCA0BHT00UU00</b>	UNICARD USB/TTL

## Temperature probes



Code	Description
<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

## RS485 plug-in (for EWRC 300 - 500 - 5010 - 5030 NT)



Code	Description
<b>KP00Q150</b>	RS485 Plug-in 40x49mm screw terminals

## Other accessories (for EWRC 300 - 500 and IDPanel 978)

Code	Description
<b>ZZ000292</b>	Plug cover TDI 20 (12pcs)
<b>ZZ000291</b>	Brass hinge (12 pcs)

