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COLDFACE



COLDFACE

Connectable controllers and switchboards for cold rooms



Download and try Eliwell AIR

eliwell.com/coldface-air

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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

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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



- 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.

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	LW_5363CF	U	
CONTROL	MAINTENANCE AD		
Resour	ces Conn	ect YE	s 🔵
ld Label	Description	Value	
1 SEt	Regulation set point	2	×
	0 °C 00		•
2 diF	Differential of set point	2	~
3 HSE	Set point maximum settable value	50	~
4 LSE	Set point minimum settable value	-50	~
5 OSP	Offset on set point		~
С Export	Import History	(Pro) gram
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Secure programming thanks to the green button feedback.

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Ξ ΕΙ	_W_5363CF		
CONTROL	MAINTENANCE	ADVANCED	+
ld Label	Description	Value	
1 LIGHT_	ON Lights On		•
2 LIGHT_	OFF Lights Off		
3 ON	Instrument On		•
4 OFF	Instrument Off		
5 DEF	Manual defrost activation		•
6 SEt	Regulation set point	2	×
-50 50 Min Ma) °C 2 x Unit 2		•
7 diF	Differential of s point	et 2	~
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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

HACCP data table Selected data will be shown in a clear layout

Preferred resources can be selected according to user needs. shop layout. ces v 🤉 Showing: 15 out of 15 results Al1 Analogue input (display) 1 \checkmark Al2 2 Analogue input (display) 2 \checkmark Meat probe AI1_R 3 Analogue input (control) 1 Access the resources list with self-explaining labels.



Registered resources name can be customized to be recognizable as per



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.

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<	C Dataset Details							
Data de	Data details							
No. c	of record	ls				ç	9	
No o	f time fr	ames				8	8	
Datase	t record	ls list						
From			1	Го				
22/06/	/2022	~	[22/06	/2022		~	
		F	ilter	8 				
Date	Time	Meat probe	AI2	HA1	LA1	OPd	E1	сс
22.6.2022	20:32:56	3	3	0	0	0	0	
22.6.2022	20:33:58	3	3	0	0	0	0	
22.6.2022	20:34:59	3	3	0	0	0	0	
22.6.2022	20:36:00	3	3	0	0	0	0	
22.6.2022	20:37:01	3	3	0	0	0	0	
22.6.2022	20:38:02	3	3	0	0	0	0	
22.6.2022	20:39:03	3	3	0	0	0	0	
22.6.2022	20:40:04	3	3	0	0	0	0	
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- Distribution centres >
- Greengrocers >
- Food Trucks >

Everything under control







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

Plenty of wiring space



- Enable Bluetooth connectivity by placing HACCP Module on the available space through adhesive tape
- Spring-clamp terminal block for analogue and extra-low voltage (SELV) digital inputs
- AC3 contactor for compressors up to 20A, defrost heaters up to 9 or 12 kW and evaporator fans up to 2.2 kW
- Isolation transformer with 220-230-240 Vac primary and fuse-protected secondary
- Spring-clamp load connection terminal block
- Large internal space for electromechanical devices and electrical connections
- Modular motor protection devices up to 20 A
- Disconnecting electrical connections for easier wall mounting
- Removable hinges for easier wall mounting

General specifications

Line of electrical switchboards for complete control of cold rooms, single-phase or three-phase, with direct compressor control with variable setting protection device, evaporator fan, defrost heater, condenser fan, solenoid valve, cold room light and compressor oil heater.

Front door providing water-splash protection for the interior accommodating up to 15 DIN modules, with direct access to the magneto-thermal switches and variable setting motor protection device.

Thermostat or Pump-Down compressor control.

All connections are on convenient spring-clamp terminal blocks, which combine with efficient enclosure layout for quick, easy electrical connections.



The electronic controller features a series of leading-edge functions, such as HACCP event logging with a yearly calendar.

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

The default configuration covers most applications but offers a high degree of customisation to individual requirements by the installer.

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





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

*HACCP Module to be ordered separately.

www.eliwell.com

Technical data



	EWRC 5000 NT	EWRC 5010 NT	EWRC 5030 NT		
Dimensions	450x380x160 mm				
Enclosure		PC + ABS			
Enclosure rating		IP65			
Installation		Wall			
Display		3 digits + sign and 4 digits			
Display range		NTC: -50110 °C / PTC: -55150 °C			
Resolution		0.1 °C			
Analogue inputs		3 x NTC / PTC*			
Digital inputs	2 voltage-free inputs				
Control type	Sing	le-phase	Three-phase		
Connections	Screw terminals	Screw termin	als on DIN rail		
Auxiliary protection	-	Specific magnet	o-thermal switch		
RTC		Present			
НАССР		Present			
Connectivity	TTL serial port for HACCP	Module and Unicard; RS485** port fo and Modbus RTU systems.	r Televis supervision system		
Power supply	230 Vac +/-10 % 50/60 Hz	230 Vac (phase + neutral + ground)	400 Vac (3phase + neutral + ground)		
Mains switch	-	Two-pole magneto-thermal switch	Four-pole magneto-thermal switch		
Operating temperature	-535 °C (Max 40 °C non continuous)				
Operating humidity		1090 % RH (non condensing)			

* configurable by user - ** with optional plug-in accessory

Table of codes

Code	Description	Notes
RCNH300DTX*700	EWRC 5000 NT HACCP BZ AIR	Electronic Controller only
RCNH301DTX*700	EWRC 5010 NT HACCP BZ 2.5-4A 230Vac AIR	HACCP/Buzzer/RTC/AIR
RCNH302DTX*700	EWRC 5010 NT HACCP BZ 4-6.3A 230Vac AIR	HACCP/Buzzer/RTC/AIR
RCNH303DTX*700	EWRC 5010 NT HACCP BZ 6-10A 230Vac AIR	HACCP/Buzzer/RTC/AIR
RCNH304DTX*700	EWRC 5010 NT HACCP BZ 13-18A 230Vac AIR	HACCP/Buzzer/RTC/AIR
RCNH305DTX*900	EWRC 5030 NT HACCP BZ 2.5-4A 400Vac AIR	HACCP/Buzzer/RTC/AIR
RCNH306DTX*900	EWRC 5030 NT HACCP BZ 4-6.3A 400Vac AIR	HACCP/Buzzer/RTC/AIR
RCNH307DTX*900	EWRC 5030 NT HACCP BZ 6-10A 400VAc AIR	HACCP/Buzzer/RTC/AIR
RCNH308DTX*900	EWRC 5030 NT HACCP BZ 9-14A 400Vac AIR	HACCP/Buzzer/RTC/AIR
RCNH309DTX*900	EWRC 5030 NT HACCP BZ 13-18A 400Vac AIR	HACCP/Buzzer/RTC/AIR
RCNH310DTX*900	EWRC 5030 NT HACCP BZ 17-20A 400Vac AIR	HACCP/Buzzer/RTC/AIR
RCNH311DTX*900	EWRC 5030 NT HACCP BZ 6kW AIR	HACCP/Buzzer/RTC/AIR/Evaporator with 6 kW electric defrost system
RCNH312DTX*900	EWRC 5030 NT HACCP BZ 12kW AIR	HACCP/Buzzer/RTC/AIR/Evaporator with 12kW electric defrost system

*The number in this position indicates the language available for the code: 1: ITA-ENG 2: ENG-AR 3: ITA-SPA 4: FRA-GER 5: GRE-RUS

EWRC 300 NT - EWRC 500 NT

General specifications

Enable Bluetooth connectivity by placing HACCP Module on the available space through adhesive tape



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
Dimensions	213x318x102 mm 221x318x107 mm		
Enclosure	PC + ABS		
Enclosure rating		IP65	
Installation		Wall	
Display		3 digits + sign and 4 digits	
Display range		NTC: -50110 °C / PTC: -55150 °C	
Resolution		0.1 °C	
Analogue inputs		3(2) x NTC / PTC*	
Digital inputs		2(3) voltage-free	
Digital outputs (default config. *) Compressor	12(12) A 2 HP 250 Vac SPST		
Defrost		8(8) A 1 HP 250 Vac SPST	
Evaporator fan		8(4) A 1⁄2 HP 250 Vac SPST	
Light	-	8(8) A 1 HP 2	250 Vac SPST
Alarm	-	8(4) A ½ HP 2	250 Vac SPDT
Connections		Screw-type	
RTC Clock		Optional	
НАССР		Optional	
Connectivity	TTL serial port for HACCP Mo	odule and Unicard; RS485** port fo and Modbus RTU systems.	or Televis supervision system
Power supply		230 Vac / 11 VA	
Interruttore		-	230 Vac Icn 4500 A 2P
Nominal current	- In = 16 A		
Pulse voltage	- 4 KV		
Operating temperature	-5+50 °C		
Operating humidity		1090 % RH (non condensing)	

* configurable by user

Table of codes

Code	Description	Notes
RCNS3HDLX2*700	EWRC 300 NT 2HP BUZZER AIR	Buzzer/AIR
RCNS3UDLX2*700	EWRC 500 NT 2HP BUZZER AIR	Buzzer/AIR
RCNS3UDTX2*700	EWRC 500 NT 2HP RTC HACCP BUZ AIR	HACCP/BUZZER/RTC/AIR
RCNA3UDLX2*700	EWRC 500 NT 2HP BUZZER 4DIN AIR	Buzzer/DIN rail/AIR
RCNA3UDTX2*700	EWRC 500 NT 2HP RTC HACCP BUZ 4DIN AIR	HACCP/BUZZER/RTC/DIN RAIL/AIR
RCNA3UDRX2*700	EWRC 500 NT 2HP BUZ 4D W\B AIR	Buzzer/DIN rail with Circuit Breaker/AIR
RCNA3UDSX2*700	EWRC 500 NT 2HP RTC HACCP BUZ 4D W\B AIR	HACCP/Buzzer/RTC/DIN rail with Circuit Breaker/AIR
KP00Q1S0	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

IDNext Panel 978

General specifications



IDPlus 978 standard electronic controller

Enable Bluetooth connectivity by placing HACCP Module on the available space through adhesive tape



Ownload and try Eliwell AIR

Line of electrical switchboards for complete control of cold rooms, single-phase or three-phase, with direct control of compressor with variable-setting thermal protection, evaporator fan, defrost heater and cold room light. The use of the widely adopted, well known IDPlus 978 standard controller ensures extremely simple commissioning and use.

All connections are on convenient spring-clamp terminal blocks, which combine with efficient enclosure layout for quick, easy electrical connections.

The electronic controller can be connected to Televis or ModBus supervision systems by means of the BusAdapter external accessory.

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

IDNext Panel 978

Technical data



	IDPanel 978 5.5-8A 230 Vac	IDPanel 978 8-11A 230 Vac	IDPanel 978 3.7-5.5A	IDPanel 978 5.5-6 A 400 Vac		
Dimensions	230 Vac	230 Vac Vac 400 Vac 400 Vac 400 Vac				
Enclosure		PC +				
Installation		W				
Display		3Digits		<u>^</u>		
Display range	N	TC: -50110 °C / PTC: -55	•	°C		
Resolution		0.1	°C			
Analogue inputs		2 PTC / NT	C /Pt1000*			
Digital inputs	1 digital (SE	1 digital (SELV) / analogue (PTC / NTC / Pt1000) / 1 digital (SELV) / serial TTL*				
Control type	Single	e-phase	Three	phase		
Compressor	1PH 5.5 - 8.0 A	1PH 8.0 -11.0 A	3PH 3.7 - 5.5 A 3PH 5.5 - 6.0 A			
Defrost	1PH	800 W	3PH 2	400 W		
Evaporator fan		1PH 800 W				
Light		1PH 8	300 W			
Connections		Screw termin	als on DIN bar			
Connectivity	TTL port for connectio	n to HACCP Module, Unica	rd or TelevisSystem/Mod	Bus monitoring device*		
Power supply	230 Vac (phase +	neutral + ground)	400 Vac (3phase +	neutral + ground)		
Door interlock mains switch		25	Ā			
Operating temperature		-5+40 °C				
Operating humidity		1090 % RH (non condensing)				
General protection	Fuses					
Motor protection		Therm	al relay			
	1					

* configurable by user

Table of codes

Code	Description	Notes
ELNP300DSX0700	IDNext Panel 978 5.5-8A 230Vac AIR	HACCP/Buzzer
ELNP301DSX0700	IDNext Panel 978 8-11A 230Vac AIR	HACCP/Buzzer
ELNP302DSX0900	IDNext Panel 978 3.7-5.5A 400Vac AIR	HACCP/Buzzer
ELNP303DSX0900	IDNext Panel 978 5.5-6A 400Vac AIR	HACCP/Buzzer
ELNP303DSXU900	IDNext Panel 978 AR/EN 5.5-6A 400Vac AIR	HACCP/Buzzer



Functional diagrams







Accessories



Interfaces, programming keys

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

Temperature probes

		A A
Code	Description	
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 plug-in (for EWRC 300 - 500 - 5010 - 5030 NT)

		,	
Code	Description		
KP00Q1S0	RS485 Plug-in 40x49mm screw terminals		

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

Code	Description
ZZ000292	Plug cover TDI 20 (12pcs)
ZZ000291	Brass hinge (12 pcs)



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Life Is On



ITALY - HEADQUARTERS

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Since 1980, Eliwell has been developing and manufacturing control systems, solutions and services for both commercial and industrial refrigeration units. It embodies the success story of an Italian company that has brought Made in Italy technological developments to the world for over 40 years. In 2014, it became part of the Schneider Electric group and remains its centre of excellence for HVACR applications. Together with Schneider Electric, Eliwell is now the global partner providing efficient and sustainable solutions and services for food storage and distribution systems, and for integrated resource control of environmental comfort installations.