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EW – 130.801E

EWRC 300LX - EWRC 500LX (COLDFACE)

CONTROL FOR COLD STORES



MODELO PUMP-DOWN

AVAILABLE MODELS

MODEL	CODE
EWRC 300LX	RCP3HDTX1H710
EWRC 500LX	RCP3UDTX1H710
EWRC 500LX Pump Down	RCP3UDTX1H702
CONNECTION KIT TELEVIS	KP250110

Refrigerated control, static, and ventilated with compressors up to 2 HP single phase for installation on board camera.

The EWRC 300 has 3 configurable relay outputs to control all devices and camera accessories.

The EWRC 500 has five configurable relay outputs to control all devices and camera accessories

Pump-down Model: It manages a separate relay to the solenoid, and a parallel compressor. When the service is stopped cold, close the solenoid. The compressor continues to run and stops by the signal of the low pressure switch ID.

This fluid is collected from the installation, save all the automation. The function can be disabled

More space and better wiring

Possibility to install a master switch

Cable entry from above or below

Watch real time defrosts

functions HACCP

Possibility of power element

Customization options

TECHNICAL DATA

	EWRC 300LX	EWRC500LX
Range	• NTC probe: -50,0...110,0°C • PTC probe: -55,0...140,0°C	• NTC probe: -50,0...110,0°C • PTC probe: -55,0...140,0°C
Display	2 displays: 3 digits and half + sign and 4 digits. Decimal point selectable with parameter	2 displays: 3 digits and half + sign and 4 digits. Decimal point selectable with parameter
Analog inputs	3 × NTC/PTC selectable whith parameter (not included)	3 × NTC/PTC selectable whith parameter (not included)
Digital inputs	3 digital inputs configurable, voltage free contact	3 digital inputs configurable, voltage free contact
Serial ports	TTL and RS-485 (with optional plug-in module) for connection to CopyCard, TelevisSystem and Modbus protocol-based systems	TTL and RS-485 (with optional plug-in module) for connection to CopyCard, TelevisSystem and Modbus protocol-based systems

TECHNICAL DATA

	EWRC 300LX	EWRC500LX
Digital outputs	1 SPST 2Hp 12(12)A 250Va 1 SPDT 1Hp 8(8)A 250Va 1 SPST 1Hp 8(8)A 250Va	1 SPST 2Hp 12(12)A 250Va 1 SPDT 1Hp 8(8)A 250Va 1 SPST 1Hp 8(8)A 250Va 1 SPDT ½Hp 8(4)A 250Va 1 SPST 1Hp 8(8)A 250Va
Power Supply	230Vac ±10% 50/60 Hz	230Vac ±10% 50/60 Hz
Frontal protection	IP40	IP40
Size	Front: 210 x 245 mm, depth 90 mm	Front: 210 x 245 mm, depth 90 mm
installation:	on wall or recessed	on wall or recessed

WIRING DIAGRAMS

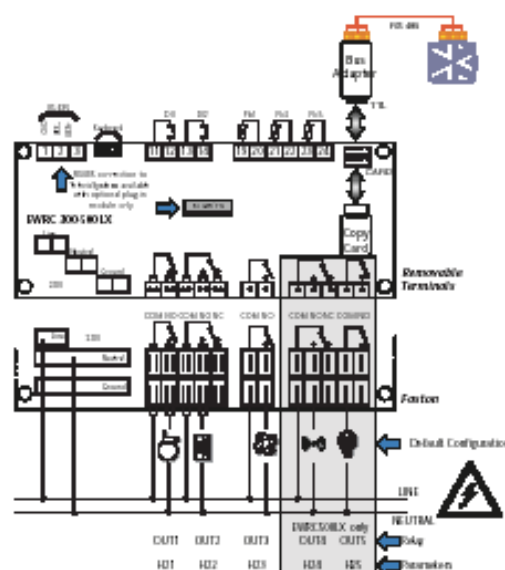
Output relays (default settings)

- Out (relay) 1 = Compressor (or liquid line valve)
- Out (relay) 2 = Defrost
- Out (relay) 3 = Evaporator fan
- Out (relay) 4 = Alarm (EWRC500LX only)
- Out (relay) 5 = Light (EWRC500LX only)

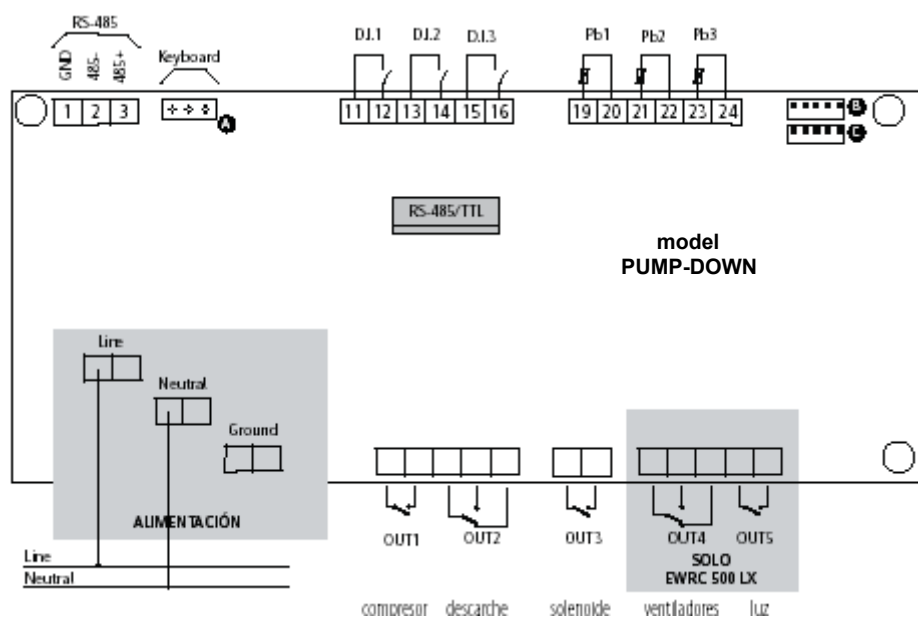
Note: It is possible to change the function of each relay, see parameters
H21 to H25

Probe Inputs

- Pb1 = Regulation Probe
- Pb2 = Defrost Termination Probe
- Pb3 = Not required (except in special applications)



WIRING DIAGRAM



OUT1 relay output out1
OUT2 relay output out2
OUT3 relay output out3
OUT4 relay output out4
(only EWRC 500LX)
OUT5 relay output out5
(only EWRC 500LX)
19-20 probe input Pb1
21-22 probe input Pb2
23-24 probe input Pb3
11-12 digital input D.I. 1
13-14 digital input D.I. 2
15-16 digital input D.I. 3
1-2-3 Serie (optional) RS-485
for connection Televis
A keyboard connection
B Output TTL connection
Televis
C connection Copy Card