

CR5

77 x 35 x 90 mm



lae
ELECTRONIC



Adaptable, Incredibly User Friendly, Refrigeration Controller with RTC

Main Features

- Up to four powerful outputs, all configurable for a perfect adaptation to the specific requirements, such as: direct control of a highly rated compressor, LED light control, ECM ON/OFF fan control, regulation of heaters for heating/catering equipment, defrost, alarms.
- Real time defrosts with optimisation algorithm, for energy saving and a better food preservation.
- Suitable for R290 natural refrigerant gas.
- Immediate configuration of the specific control mode (HT, LT, heating etc.).
- Excellent measurement accuracy $\pm 0.1^{\circ}\text{C}$.
- Universal power supply.
- TTL or RS485 serial port; IoT connectivity option via an external LAE Gateway.
- Selectable ASCII/RTU communication protocol.
- White LED display.

Applications

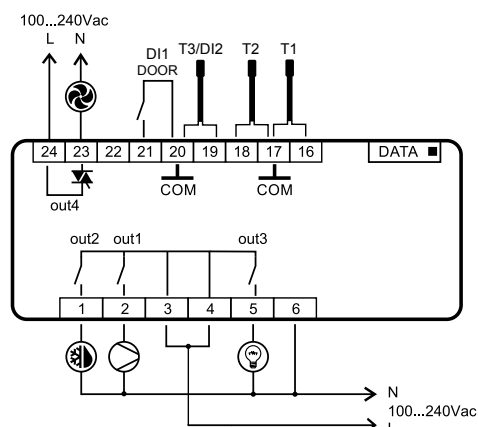
Cold stores, fridges and freezers, and all those applications where optimised real time defrosts are needed.

Series CR5

Functions			-01WHT	-01WHR	-02WNN
Inputs/Outputs	01	Standard 4 inputs, 4 outputs	•	•	
	02	4 inputs, 3 outputs			•
Power Supply	W	100...240Vac	•	•	•
	N	Standard			•
Relays	H	For inflammable gas	•	•	
	R	RS485		•	
Serial port	T	TTL	•		
	N	None			•
	-	None			
Aesthetical options and F/W	-	None			
	-xxx	Extras			

➤ Standard Model: **CR5-01WHR**

➤ All versions are fitted with alarm buzzer and white display.



Technical Data

Range	-50÷110°C, -58÷180°F
Resolution	0.1 / 1 °C; °F
Precision	±0.1°C within the measurement range
Sensor Type	NTC10KΩ@25°C
Maximum loads of outputs:	
OUT1	15 FLA; 90 LRA; 15A resistive
OUT2	10A resistive @ 120Vac; 7A resistive @ 240Vac
OUT3	10A resistive @ 120Vac; 7A resistive @ 240Vac
OUT4	SSR 1A (30A inrush)
Power Supply	100÷240Vac ±10% 50÷60Hz 3W
Ambiente Temperature	-10÷50°C

CR5-01WHR