AR2-5

77 x 35 x 90 mm

Universal Refrigeration Controller with RTC

Main features

- Up to six real time defrosts
- Synchronized defrost start and termination with master-slave connection
- Selectable NTC10K or PTC input
- Universal 110-230Vac power supply
- FLEXICOLD function for energy saving or alternative setpoint
- Optional control of a second compressor or evaporator
- Excellent evaporator fan control
- Temperature, door open, condenser high temperature/pressure alarms
- Light and standby control (On/Off)
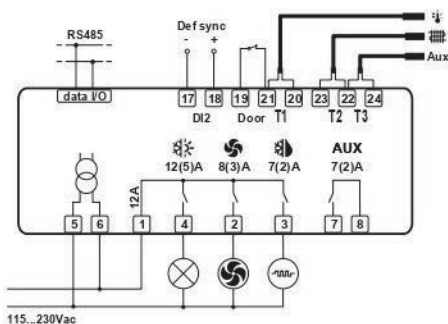- Connectivity to LAE supervisory systems

Applications

Plug-in cabinets, supermarket display cases, cold stores, control panels, upright fridges and freezers, refrigerated tables.

AR2-5 series

Functions		C14D-BG	B24W-BG	C34W-BG
Temperature inputs	Thermostat	●	●	●
	Evaporator	●	●	●
	Auxiliary	●		●
Door switch input	Voltage free contact	●	●	●
Digital inputs	Voltage free contact	●		
	12÷24Vac voltage		●	
	Defrost synchronisation			●
Outputs	Thermostat	●	●	●
	Evaporator fans	●	●	●
	Defrost	●	●	●
	Auxiliary	●	●	●
Power supply	115÷230Vac		●	●
	12Vac/dc	●		
Serial port	TTL serial port			
	RS-485 serial port	●	●	●
Keypad	Generic	●	●	●
	With light button			

❯ All models come with an alarm buzzer.
❯ All models are fitted with detachable screw terminals.
❯ On request, the AR2-5 is also available with gasket for a better protection between bezel and metal panel.
❯ In order to know more options available for the models, please consult LAE or our local dealer.

Technical Data

Control Range	-50÷120°C, -55÷240°F
Resolution	0.1 / 1 °C; °F
Accuracy	NTC10K: <±0.3°C (-40.0÷70.0°C) PTC1000: <±0.5°C (-50÷120°C)
Sensor type	Selectable NTC10K standard mod. SN4B20P1/P2/P3 or PTC1000
Power supply	115÷230V~ ±10% 50÷60Hz 3W
Back-up battery	>150 hours
Front protection	IP55
Panel cut-out	71 x 29 mm (WxH)
Ambient temperature	-10÷50°C