AR2-28

107 x 95 x 47 mm

Versatile Split 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
- FLEXICOLD function for energy saving or alternative setpoint
- Optional control of a second compressor or evaporator
- Excellent evaporator fan control
- Absolute or relative temperature alarms, door open alarm, condenser high temperature/pressure alarm
- Light and standby control (On/Off)
- Connection to LAE supervisory systems
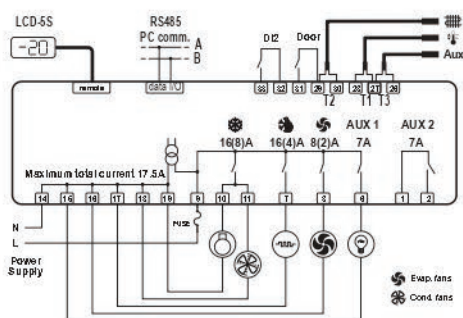- Available display unit: LCD-5S or RU33

Applications

Plug-in cabinets, supermarket display cases, cold stores, control panels, upright fridges and freezers, refrigerated tables and all those applications where real time defrost is required.

AR2-28 series

Functions		B1T5E-A	C1S4E-A	C1S5E-B
Temperature inputs	Thermostat	●	●	●
	Evaporator	●	●	●
	Auxiliary		●	●
Door switch	Voltage free	●	●	●
Digital input aux.DI2	Voltage free	●	●	●
	12÷24Vac			
	Defrost synchronisation			
Connections	Quick on M/F			
	On screw terminals	●	●	●
Displays	LCD-5S		●	●
	RU33	●		
Outputs	Thermostat	●	●	●
	Evaporator fans	●	●	●
	Defrost	●	●	●
	Auxiliary 1	●	●	●
	Auxiliary 2	●		●
Power supply	230Vac	●	●	●
Serial port	TTL	●	●	
	RS-485			●

❯ All models come with an alarm buzzer.
❯ In order to know more options available for the models, please consult LAE or our local dealer.

Technical data

Range	-50...120°C, -55...240°F
Resolution	0.1 / 1 °C; °F
Precision	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	230V~ ±10% 50÷60Hz 3W
Ambient temperature	-10÷50°C

AR2-28

Technical data LCD-5S display unit

Dimensions	77 x 35 x 20 mm (WxHxD)
Panel cut-out	71 x 29 mm (WxH)
Front protection	IP55
Ambient temperature	-10÷50°C

Technical data RU33 display unit

Dimensions	169 x 38 x 25 mm (WxHxD)
Panel cut-out	163 x 31.5 mm (WxH)
Front protection	IP55
Ambient temperature	-10÷50°C