lae ELECTRONIC

AR2-27

72x94x47 MM

DIN RAIL

Universal configurable Defrost Controller for control panels

Main Features

- *Selectable Refrigerating or Heating control*
- *Selectable NTC10K or PTC input*
- *FLEXICOLD function for energy saving or alternative setpoint*
- *Cyclic defrosts or scheduled real time starts*
- *Synchronized defrost start and termination with master-slave connection*
- *Optional control of a second compressor or evaporator*
- *Excellent evaporator fan control*
- *Absolute or relative temperature alarms and door open alarm*
- *Temperature and pressure monitoring and condensing unit maintenance*
- *Light and standby control (On/Off)*
- *Quick programming through ZOT-AR2*
- *Connection to LAE supervisory systems*

Series AR2-27

Functions		B13E-AG	C24E-AG	C35E-BG
Temperature Inputs	Thermostat	✓	✓	✓
	Evaporator	✓	✓	✓
	Auxiliary		✓	✓
Digital inputs	Door switch	✓	✓	✓
	Voltage free input	✓		
	Voltage input		✓	
	Defrost synchroniz. input			✓
Outputs	Thermostat	✓	✓	✓
	Evaporator fans	✓	✓	✓
	Defrost	✓	✓	✓
	Auxiliary 1		✓	✓
	Auxiliary 2			✓
Power supply	230Vac	✓	✓	✓
Serial port	Serial port TTL	✓	✓	
	Serial port RS485			✓
Keypad	Generic	✓	✓	✓

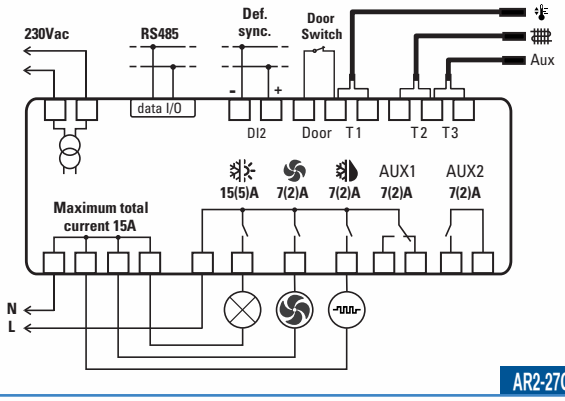
All models come with an alarm buzzer.
Versions with power supply 12Vac/dc and 115Vac are also available.
In order to know more options available for the models, please consult LAE or our local dealer.

Applications

On control panels for the control of cold stores, plug-in and supermarket display cases.

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. SN4K20P1/P2/P3 OR PTC1000 STANDARD MOD. ST1K20P1/P2/P3
POWER SUPPLY:		230VAC±10%, 50/60HZ, 3W
RECHARGEABLE BATTERY:		>150 HOURS
FRONT PROTECTION:		IP55
AMBIENT TEMPERATURE:		-10÷50°C



AR2-27C35E-BG