

AR2-5

77x35x90 MM



Defrost Controller with RTC for display cases and cold stores

Main Features

- Up to 6 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
- Direct compressor control through high power 12(5)A relay
- 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)
- Quick programming through ZOT-AR2
- Connection to LAE supervisory systems

Applications

Plug-in cabinets, supermarket display cases, cold stores, control panels, upright fridges and freezers, refrigerated tables and all those plants where real time defrost starts are needed.

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:	115÷230V~ ±10% 50÷60Hz 3W	
RECHARGEABLE BATTERY:	>150 HOURS	
FRONT PROTECTION:	IP55	
PANEL CUT-OUT:	71x29 MM	

AR2-5 Series

Functions		B14D-AL	B23W-AG	C34W-BG
Temperature Inputs	Thermostat	✓	✓	✓
	Evaporator	✓	✓	✓
	Auxiliary			✓
Door switch input	Voltage free contact	✓	✓	✓
	Digital inputs	✓		
Outputs	Voltage free contact		✓	
	12÷24Vac voltage			✓
	Defrost synchronisation			✓
	Thermostat	✓	✓	✓
Power supply	Evaporator fans	✓	✓	✓
	Defrost	✓	✓	✓
	Auxiliary	✓		✓
	115-230Vac		✓	✓
Serial port	12Vac/dc	✓		
	Serial port TTL	✓	✓	
Keypad	Serial port RS485			✓
	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.

