

AD2-5

77x35x90 MM



Defrost Controller for Display Cases and Cold Stores

Main Features

- Cyclic 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 ZOTAD2
- Connection to LAE supervisory systems

Applications

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

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	
FRONT PROTECTION:	IP55	
PANEL CUT-OUT:	71x29 MM	

AD2-5 Series

Functions		B14D-AL	B23W-AG	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	✓	✓	
	RS485 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 AD2-5 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.

