

# AD3-5

77x35x90 mm



## Universal Defrost Controller for display cases and cold stores

### Main Features

- Selectable Refrigerating or Heating control
- Selectable NTC10K or PTC input
- FLEXICOLD function for energy saving or alternative setpoint
- Timed or optimised defrost control and remote start
- Defrost timer backup in case of power failure
- Direct compressor control through high power 16(5)A relay
- 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-AD3 key
- 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
Resolution:	0.1 / 1 °C; °F
Accuracy:	NTC10K: <math>\lt; \pm 0.3^{\circ}\text{C}</math> (-40.0 ÷ 70.0°C) PTC1000: <math>\lt; \pm 0.5^{\circ}\text{C}</math> (-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
Ambient temperature:	-10 ÷ 50°C

### Series AD3-5

Functions		C04D-AL	B13W-AG	C24W-BG
Temperature Inputs	thermostat	✓	✓	✓
	evaporator	✓	✓	✓
	auxiliary	✓	✓	✓
Digital inputs	door switch	✓	✓	✓
	voltage free input		✓	
	voltage input			✓
Outputs	thermostat	✓	✓	✓
	evaporator fans	✓	✓	✓
	defrost	✓	✓	✓
	auxiliary	✓		✓
Power supply	115-230Vac		✓	✓
	12Vac/dc	✓		
Serial port	TTL	✓	✓	
	RS485			✓
Keypad	generic		✓	✓
	with light button	✓		

- All models come with an alarm buzzer.
- All models are fitted with detachable screw terminals.
- On request, the AD3-5 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.

