

AH1-5

77x35x90 MM



Defrost Controller for refrigerated transports

Main Features

- Selectable Heating/Refrigerating control with Neutral Band
- Selectable NTC10K or PTC input
- Defrost timer backup in case of power failure
- Direct compressor control through high power 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 ZOTAH1 key
- Connection to LAE supervisory systems

Applications

refrigerated transports, HT and LT cold storage rooms, plug-in cabinets, display cases, open counters.

AH1-5 series

Functions		B14L-AG	B13W-AG	C24W-BL
Temperature inputs	Thermostat	✓	✓	✓
	Evaporator	✓	✓	✓
	Auxiliary			✓
Door switch input	Voltage free contact	✓	✓	✓
	Voltage 12÷24Vac	✓	✓	✓
Outputs	Thermostat	✓	✓	✓
	Evaporator fans	✓	✓	✓
	Defrost	✓	✓	✓
Power supply	Auxiliary	✓		✓
	115-230Vac		✓	✓
	7-30Vdc	✓		
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 AH1-5 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.

Technical Data

CONTROL RANGE:	-50÷120°C, -55÷240°F
RESOLUTION:	0.1 / 1 °C; °F
ACCURACY:	NTC10K: $\lt; \pm 0.3^{\circ}\text{C}$ (-40.0÷70.0°C) PTC1000: $\lt; \pm 0.5^{\circ}\text{C}$ (-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

