

Electronic Refrigeration Control

- Refrigeration Controller, 1 NTC/PTC Sensors, 1 Relay, 115 VAC, Screw Terminals

Item AT1-5AS5U-BGI



PRODUCT DESCRIPTION

Panel-Mount Controllers are compact and capable and provide excellent control options in a small package. These models are economical solutions for medium-temperature and low-temperature refrigerated cases, as well as standalone refrigerated display cases.

FEATURES

- ▶ Compact
- ▶ Remote connectivity
- ▶ Manage multiple alarms
- ▶ Selectable refrigerating or heating control
- ▶ Integrated defrost functions
- ▶ Runs on mains power supply
- ▶ Direct compressor control through high power 16(4) A or 16(8) A relay
- ▶ Selectable NTC10K or PTC probe input
- ▶ Auxiliary output configurable in four different operation modes
- ▶ Temperature, door open alarms

APPLICATIONS

- ▶ Ice Refrigeration Machine
- ▶ Reach-In Refrigeration Cooler

TECHNICAL DATA

General	
Model Number	AT1-5AS5U-BGI
Description	Refrigeration Controller, 1 NTC/PTC Sensors, 1 Relay, 115 VAC, Screw Terminals
UPC Code	078275150812
Brand	LAE
Country of Origin (Intermatic)	ITALY
Warranty Period	5-Year limited
Control Specifications	
Minimum Cycle Time	1 min
Mechanism Type	Electrical
Defrost LED Indicator	Red
Has Real-time Clock Face	No
Application Compatibilities	Commercial Refrigeration; Walk-in Cooler; Walk-in Freezer
Mechanical Specifications	
Mounting Options	Panel
Enclosure Type	IP55 Front
Dimensions	
Mounting Depth (mm)	70
Mounting Depth (in)	2.76
Product Dimensions (H x W x D) in	1.34 x 2.76 x 2.76 in
Panel Opening Height (in)	1.14

Panel Opening Height (mm)	29
Panel Opening Width (in)	2.80
Panel Opening Width (mm)	71
Cut-Out Width (in)	2.80
Cut-Out Width (mm)	71
Cut-Out Height (in)	1.14
Cut-Out Height (mm)	29
Wire Size Max	#10 AWG

Load Ratings

Resistive Load Ratings Ranges Compressor	16 (8) A @ 240 VAC
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Electrical Specifications

Wiring Option	Screw terminal block
Input Voltage Range(s)	115 VAC $\pm$ 10%, 50/60 Hz
Number of Circuits Controlled	1
Electrical Life	100,000 operations at full load
Relay Type Compressor	SPST

Display and Format

Clock Display Types	LED
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Packaging

Product Weight (kg)	0.21
Unit Carton Dimensions (H x W x L) in	2.5 x 3.2 x 3.6 in
Product Weight (lbs)	0.46

Environmental Specifications

Storage Temperature Min (°F)	14
Storage Temperature Max (°F)	122
Storage Temperature Min (°C)	-10
Storage Temperature Max (°C)	50
Operating Humidity	0-80% RH, Non-condensing
Temperature (operation)	14 °F to 122 °F / (-10 °C to 50 °C)

Standards and Certifications

RoHS Directive	2011/65/EU.
UL Certification	UL60730-1
Other Certifications and Compatibilities	Title 24 LAE
UL File Number	#SA32385
California Proposition 65	Lead; DEHP; Nickel
RoHS Certification	Yes

ACCESSORIES



SN4B50P1
Temperature Probe, NTC 10k probe, 5.0 m, Gray



SN4B30P1
Temperature Probe, NTC 10k probe, 3.0 m, Gray



SN4B20P1
Temperature Probe, NTC 10k probe, 2.0 m, Gray



SN4B20P2-B
Temperature Probe, NTC 10k probe, 2.0 m, Blue



SN4B20P3-Y
Temperature Probe, NTC 10k probe, 2.0 m, Yellow



SN4B30P2-B
Temperature Probe, NTC 10k probe, 3.0 m, Blue



SN4B30P3-Y
Temperature Probe, NTC 10k probe, 3.0 m, Yellow



SN4B50P2-B
Temperature Probe, NTC 10k probe, 5.0 m, Blue



SN4B50P3-Y
Temperature Probe, NTC 10k probe, 5.0 m, Yellow



LCD-5S-1I
Display, BIT25



DU5S-1I
Display, BD1-28, BR1-28