

Electronic Refrigeration Control - Refrigeration Controller, 2 NTC/PTC Sensors, 1 Digital Input, 230 VAC, Screw Terminals, RS485

Item AT1-5BS2E-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	AT1-5BS2E-BGI
Description	Refrigeration Controller, 2 NTC/PTC Sensors, 1 Digital Input, 230 VAC, Screw Terminals, RS485
UPC Code	078275150829
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 (4) A @ 240 VAC
Resistive Load Ratings Ranges Fan	7 (2) A @ 240 VAC

Electrical Specifications

Wiring Option	Screw terminal block
Input Voltage Range(s)	230 VAC \pm 10%, 50/60 Hz
Number of Circuits Controlled	2
Electrical Life	100,000 operations at full load
Relay Type Compressor	SPST
Relay Type Fan	SPST
Hz	50/60

Display and Format

Clock Display Types	LED
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Packaging

Shipping Weight (lbs)	0.47
Unit Carton Dimensions (H x W x L) in	2.5 x 3.2 x 3.6 in
Product Weight (lbs)	0.46
Product Weight (kg)	0.21

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	Y
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ACCESSORIES



LCD-5S-11
Display, BIT25



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