

## Electronic Refrigeration Control - Refrigeration Controller, 2 NTC/PTC Sensors, 1 Digital Input, 115 VAC, Screw Terminals, RS485

Item AT1-5BS6U-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                      | AT1-5BS6U-BGI   |
| Description                       | Refrigeration Controller, 2 NTC/PTC Sensors, 1 Digital Input, 115 VAC, Screw Terminals, RS485 |
| UPC Code                          | 078275151192  |
| 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 |

### Material Specifications

|       |       |
|-------|-------|
| Color | Black |
|-------|-------|

### Load Ratings

|  |                    |
|--|--------------------|
| Resistive Load Ratings Ranges Compressor | 16 (8) A @ 240 VAC |
| Resistive Load Ratings Ranges Fan        | 7 (2) A @ 240 VAC  |

### Electrical Specifications

|                               |                                 |
|-------------------------------|---------------------------------|
| Wiring Option                 | Screw terminal block            |
| Input Voltage Range(s)        | 115 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                            |

### Display and Format

|                     |     |
|---------------------|-----|
| Clock Display Types | LED |
|---------------------|-----|

### Packaging

|                                       |                    |
|---------------------------------------|--------------------|
| Shipping Weight (lbs)                 | 0.48               |
| 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; Green Energy |

|                           |                    |
|---------------------------|--------------------|
| UL File Number            | #SA32385           |
| California Proposition 65 | Lead; DEHP; Nickel |
| RoHS Certification        | Y                  |

**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-11  
Display, BIT25



DU5S-11  
Display, BD1-28, BR1-28