

## 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 |

### 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

|                                       |                    |
|---------------------------------------|--------------------|
| 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-11  
Display, BIT25



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