Electronic Refrigeration Control - Refrigeration Controller, 3 NTC/PTC Sensors, 1 Digital Input, 100-240 VAC, Screw Terminals, RS485, Propane Suitable (Display and cable sold separately)

Item BR1-28C1Q5WH-BI

PRODUCT DESCRIPTION

*Controller, cable, and display must each be ordered separately. Split Controllers are designed to excel in more demanding applications and provide additional control options for more complex equipment. These controllers can be mounted to a wiring chase or with the refrigeration equipment, eliminating the need for long runs of control wiring.

FEATURES

- Multi-voltage.
- Real time clock.
- Safe for flammable refrigerants.
- Remote mounting.
- Remote connectivity.
- Manage multiple alarms.
- Heating or cooling.

APPLICATIONS

- Ice Refrigeration Machine
- Reach-In Refrigeration Cooler

TECHNICAL DATA

General	
Model Number	BR1-28C1Q5WH-BI
Description	Refrigeration Controller, 3 NTC/PTC Sensors, 1 Digital Input, 100-240 VAC, Screw Terminals, RS485, Propane Suitable (Display and cable sold separately)
UPC Code	078275150881
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	Yes
Application Compatibilities	Commercial Refrigeration; Walk-in Cooler; Walk-in Freezer

Mechanical Specifications	
Mounting Options	DIN
Enclosure Type	IP55 Front

Dimensions	
Product Dimensions (H x W x D) in	1.81 x 4.13 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 (12) A @ 240 VAC
Resistive Load Ratings Ranges Defrost	16 (4) A @ 240 VAC
Resistive Load Ratings Ranges Fan	16 (4) A @ 240 VAC
Resistive Load Ratings Ranges AUX1	7 (2) A @ 240 VAC

Electrical Specifications	
Voltage Selection Type	Auto-Voltage
Wiring Option	Screw (female connector)
Input Voltage Range(s)	100-240 VAC ±10%, 50/60 Hz
Number of Circuits Controlled	5
Electrical Life	100,000 operations at full load
Relay Type Compressor	SPST
Relay Type Defrost	SPST
Relay Type Fan	SPST
Relay Type AUX1	SPST
Relay Type AUX2	SPST

Display and Format	
Clock Display Types	LED

Packaging	
Shipping Weight (lbs)	0.6
Unit Carton Dimensions (H x W x L) in	2.8 x 3.6 x 4.8 in
Product Weight (lbs)	0.57
Product Weight (kg)	0.26

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; NSF; Green Energy
UL File Number	#SA32385
California Proposition 65	None
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-1I
Display, BIT25