

# 1600 SERIES REFRIGERATION TEMPERATURE CONTROLS

*Provide positive control of refrigeration applications where remote control is desired.*



1609-90

**FEATURES**

- Hydraulic action element
- Dustproof steel case with top and bottom knockouts
- Temperature dial graduated in °F and °C and can be adjusted through cover
- High electrical ratings allow operation of most equipment without use of relays or motor starters
- Model 1609-90 for use in zoning systems where all thermostats control a common compressor and a separate solenoid refrigerant valve in each zone. 16A60 manual reset freeze protection

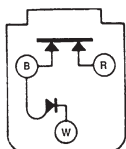
**SPECIFICATIONS**

Bulb Mounting ..... Clamp included with all models except 1609-90  
 Finish..... Grey  
 Dimensions ..... 5.38"H X 2.31"W X 2.57"D  
 Agency..... UL/CUL

**1600 SERIES REFRIGERATION TEMPERATURE CONTROLS**

RANGE	DIFFERENTIAL	CAPILLARY LENGTH	BULB SIZE	SWITCH ACTION	MOTOR RATING (FULL LOAD) 120 VAC	MOTOR RATING (FULL LOAD) 240 VAC	MODEL NUMBER	ITEM NUMBER
-20 to 50°F (-29 to 10°C)	Adj. 3 to 25°F (2 to 14°C)	8 ft.	5-3/4" X 3/8"	Close on Rise	7.4A	3.7A	<b>1609-90</b>	<b>16 09 090S1</b>
-30 to 90°F (-34 to 32°C)	Adj. 3.5 to 40°F (2 to 22°C)	5 ft.	5-3/16" X 3/8"	Close on Rise	16.0A	8.0A	<b>1609-101</b>	<b>16 09 101S1</b>
-30 to 90°F (-34 to 32°C)	Adj. 3.5 to 40°F (2 to 22°C)	10 ft.	5-3/16" X 3/8"	Close on Rise	16.0A	8.0A	<b>1609-103</b>	<b>16 09 103S1</b>
-30 to 90°F (-34 to 32°C)	Adj. 3.5 to 40°F (2 to 22°C)	20 ft.	5-3/16" X 3/8"	Close on Rise	16.0A	8.0A	<b>1609-104</b>	<b>16 09 104S1</b>
-30 to 90°F (-34 to 32°C)	Adj. 3.5 to 40°F (2 to 22°C)	5 ft.	5-3/16" X 3/8"	Close on Rise	16.0A	8.0A	<b>1609-105</b> ①	<b>16 09 105S1</b>
-30 to 90°F (-34 to 32°C)	Adj. 4.5 to 40°F (2.5 to 22°C)	8 ft.	5-3/16" X 3/8"	SPDT	7.4A	3.7A	<b>1687-9</b>	<b>16 87 009S1</b>
-30 to 50°F (-34 to 10°C)	Manual Reset	10 ft.	5-3/16" X 3/8"	Open on Fall	7.4A	3.7A	<b>16A60-9</b>	<b>16A60 009S1</b>

① Knob adjustment.

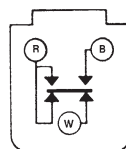


**HH2C CONTACT STRUCTURE**

HH2C Rated Controls

**SWITCH ACTION**

Double pole, single throw.  
 B terminal is common.  
 B-R and B-W contacts both close on a rise of temperature.



**SPDT CONTACT STRUCTURE**

SPDT Rated Controls

**SWITCH ACTION**

R-B Open on Rise  
 R-W Close on Rise



201-8

## 200 SERIES REFRIGERATION TEMPERATURE CONTROLS

*Designed for use in garages, factories, warehouses and similar commercial and industrial installations.*

**FEATURES**

- Handles inductive and non-inductive loads
- No leveling required and mounts in any position
- Quick response to temperature changes
- Nickel plated element

**SPECIFICATIONS**

Dimensions ..... 5.38"H + 2.50"coil X 2.32"W X 2.57"D  
 Finish..... Grey  
 UL/CUL File Number ..... SA749

**200 SERIES REFRIGERATION TEMPERATURE CONTROLS**

RANGE	DIFFERENTIAL	SWITCH ACTION	MOTOR RATING (FULL LOAD) 120 VAC	MOTOR RATING (FULL LOAD) 240 VAC	RESISTIVE (NON-INDUCTIVE) 120 VAC	RESISTIVE (NON-INDUCTIVE) 240 VAC	MODEL NUMBER	ITEM NUMBER
20 to 90°F (-6 to 32°C)	Adj. 3 to 20°F (1.5 to 11°C)	Close on Rise	16.0A	8.0A	25.0A	22.0A	201-8	02 01 008S1
-30 to 90°F (-34 to 32°C)	Adj. 3 to 20°F (1.5 to 11°C)	Close on Rise	16.0A	8.0A	25.0A	22.0A	201-20	02 01 020S1

See White-Rodgers General Information for full electrical ratings. 201-8 and 201-20 are rated FGH.