



1609-90

# 1600 SERIES REFRIGERATION TEMPERATURE CONTROLS

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

### 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

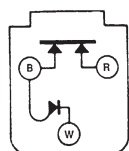
### SPECIFICATIONS

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	1609-90	16 09 090S1
-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	1609-101	16 09 101S1
-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	1609-103	16 09 103S1
-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	1609-104	16 09 104S1
-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	1609-105 ①	16 09 105S1
-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	1687-9	16 87 009S1
-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	16A60-9	16A60 009S1

① Knob adjustment.

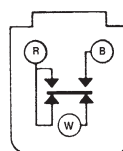


#### HH2C CONTACT STRUCTURE

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