



1609-101

REFRIGERATION TEMPERATURE CONTROL

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 & a separate solenoid refrigerant valve in each zone.

SPECIFICATIONS

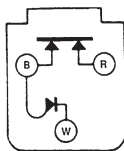
Dimensions	5 ³ / ₈ " H + 2 ⁵ / ₁₆ " W x 2 ⁹ / ₁₆ " D
Finish	Grey
Bulb Mounting	Clamp included with all models except 1609-90
Agency	U.L. listed and C.S.A. approved

PARTS AND ACCESSORIES

- F89-0027 Refrigeration Well
- F55-0088 Packing Nut

Model Number	Range	Differential	Capillary Length	Bulb Size	Switch Action	Full Electrical Rating	Motor Rating (Full Load)	
							120 VAC	240 VAC
1609-90	-20 to +50°F (-29 to +10°C)	Adj. 3 to 25°F (2 to 14°C)	8 ft.	5 ¹ / ₄ " x 3 ³ / ₈ "	Close on Rise	HH2C see page 222	7.4A	3.7A
1609-101	-30 to +90°F (-34 to +32°C)	Adj. 3.5 to 40°F (2 to 22°C)	5 ft.	5 ¹ / ₄ " x 3 ³ / ₈ "	Close on Rise	FGH see page 222	16.0A	8.0A
1609-103	-30 to +90°F (-34 to +32°C)	Adj. 3.5 to 40°F (2 to 22°C)	10 ft.	5 ¹ / ₄ " x 3 ³ / ₈ "	Close on Rise	FGH see page 222	16.0A	8.0A
1609-104	-30 to +90°F (-34 to +32°C)	Adj. 3.5 to 40°F (2 to 22°C)	20 ft.	5 ¹ / ₄ " x 3 ³ / ₈ "	Close on Rise	FGH see page 222	16.0A	8.0A
1609-105 ①	-30 to +90°F (-34 to +32°C)	Adj. 3.5 to 40°F (2 to 22°C)	5 ft.	5 ¹ / ₄ " x 3 ³ / ₈ "	Close on Rise	FGH see page 222	16.0A	8.0A
1687-9	-30 to +90°F (-34 to +32°C)	Adj. 4.5 to 40°F (2.5 to 22°C)	8 ft.	5 ¹ / ₄ " x 3 ³ / ₈ "	SPDT	SPDT see page 222	7.4A	3.7A

① Knob adjustment

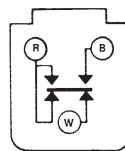


HH2C Contact Structure

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