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

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Range</th>
<th>Differential</th>
<th>Capillary Length</th>
<th>Bulb Size</th>
<th>Switch Action</th>
<th>Full Electrical Rating</th>
<th>Motor Rating (Full Load)</th>
<th>120 VAC</th>
<th>240 VAC</th>
</tr>
</thead>
</table>
| 1609-90      | -20 to +50°F  
(-29 to +10°C) | Adj. 3 to 25°F  
(2 to 14°C) | 8 ft. | 5/16” x 5/8” | 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. | 5/16” x 5/8” | 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. | 5/16” x 5/8” | 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. | 5/16” x 5/8” | Close on Rise | FGH see page 222 | 16.0A | 8.0A |
| 1609-105     | -30 to +90°F  
(-34 to +32°C) | Adj. 3.5 to 40°F  
(2 to 22°C) | 5 ft. | 5/16” x 5/8” | 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. | 5/16” x 5/8” | 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