

**11D82-1****REMOTE BULB TYPES**

Regulate Temperature of Any Liquid Non-Corrosive to Copper in Applications such as Vats, Hot Water Boilers, DeFeathering Tanks, Oil Filtering, etc. Available in Open or Close On Rise Types for use as High Limit or Reverse Acting Control.

FEATURES

- Capillary permits convenient mounting of control regardless of well position.
- Dial evenly calibrated in °F and °C for exact setting.
- Special screw terminals with “ears” securely hold solid and stranded wires.
- Dustproof steel case.

SPECIFICATIONS

Dimensions 5³/₄" H x 2⁵/₁₆" W x 2⁹/₁₆" D

Finish Grey

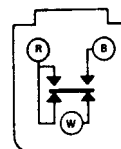
Agency U.L. listed and C.S.A. certified

PARTS AND ACCESSORIES

- F55-0088 — Packing nut ½ thread, for use with remote bulb
- F145-0650 — Well adapter and heat conductive compound
- F71-0924 — Well adapter only
- F145-0163 — Tube heat conductive compound
- For immersion wells, see page 147.

Model Number	Range	Differential	Switch Action	Full Electrical Rating	Bulb Size	Capillary Length	Motor Rating (Full Load)		Valves and Relays	
							120 VAC	240 VAC	24 VAC	0.3-12v DC
11B06-1 ①	100 to 240°F (38 to 116°C)	5 to 45°F (3 to 25°C)	Open on Rise	HTV See page 416	3 ¹ / ₂ x 7 ¹ / ₁₆ "	5 FT.	10.0A	6.0A	6.0A	1.0A
11D82-1	100 to 240°F (38 to 116°C)	7 to 45°F (4 to 25°C)	SPDT	SPDT See page 416	3 ¹ / ₂ x 3 ³ / ₈ "	5 FT.	7.4A	3.7A	2.9A	—
11B06-46	100 to 400°F (38 to 204°C)	Fixed 5°F (3°C)	Open on Rise	HTV See page 416	6" x 1 ¹ / ₄ " Stainless Steel	5 FT.	10.0A	6.0A	6.0A	1.0A
11B95-31	195°F (91°C)	Fixed 45°F (25°C)	Open on Rise	—	2 ³ / ₄ x 4 ⁵ / ₈ - 3 ³ / ₄ " NPT	—	10.0A	—	.75A	0.25-1v DC .25A
	120 to 180°F (50 to 82°C)	4°F (2°C)	Open on Rise	—	3 ³ / ₄ " NPT Comp Fitting	50"	10.0A	—	.75A	0.25-1v DC .25A

① With armored capillary and U.L. approved adjustable dial stop, factory set at 180°F maximum.

**SPDT Contact Structure**

HH Rated Controls

Switch Action

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

CONTRACTOR TIP: TESTING AUTOMATIC TEMPERATURE CONTROLS To verify a control is opening and closing properly, disconnect all power before testing. Testing must be performed with the sensing element at a temperature within the setting range of the control. For most hydronic controls with a range of 100 to 240°F, a pan of hot water is sufficient to reach the control range.

Attach an ohmmeter or continuity tester across the Open on Rise contacts. Lower the temperature setting dial to the lowest setting. If the lowest setting is below the temperature of the sensing element minus the differential of the control, the contacts should be open. Raise the temperature dial slowly. When the setting is raised above the temperature of the sensor, the contacts should close.