



**1050-1**

## ADJUSTABLE INDOOR-OUTDOOR CONTROL

Cuts Fuel Costs and Provides Utmost Comfort Performance from Conventional Hot Water Heating Systems: Ideal for Zoned Systems

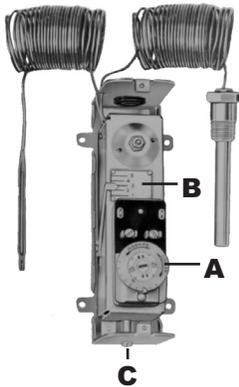
### FEATURES

- Fully adjustable reset ratio covers all climate conditions and eliminates stocking controls with different reset ratios. Replaces all three T475A Honeywell models.
- Well-insertion bulb monitors boiler water temperature, outdoor bulb monitors outdoor temperature. Control modulates water temperature based on reset ratio selected.
- Hydraulic action element — unaffected by vibration or moisture.
- Mounting clamp for outdoor bulb included.
- F89-0148 well included with control.

### SPECIFICATIONS

Dimensions . . . . .	9" H x 3 1/2" W x 4" D
Finish . . . . .	Grey
Capillary Length . . . . .	15 feet to inside bulb 30 feet to outside bulb
Thread Size . . . . .	1/2" pipe thread

Model Number	Differential	Switch Action	Full Electrical Rating	Motor Rating (Full Load)	
				120 VAC	240 VAC
1050-1	Fixed 10°F (5°C)	Open on Rise	FG see page 416	14.0A	7.0A



- A. Round dial adjusts comfort level required.
- B. Square dial adjusts for heat-loss of specific installation.
- C. Adjustment screw for changing setting of square dial.

### RESET RATIOS (OUTDOOR TO INDOOR)

Example: For 1.5 to 1 ratio, each 1.5°F drop in outdoor temperature will cause 1°F rise in boiler water.

Reset Ratio	Square Dial Setting
1.5 to 1	1
1 to 1	2.5
1 to 1.5	4.5

### SELECTING SQUARE DIAL SETTING (Round dial set at "N")

Outdoor Design Temperature	Suggested Square Dial Setting					
	140	160	180	200	220	240
20°F (-7°C)	3	4.5	—	—	—	—
10°F (-12°C)	2.5	3.5	5	—	—	—
0°F (-17°C)	2	3	4	5	—	—
-10°F (-23°C)	1.5	2.5	3.5	4.5	5	—
-20°F (-29°C)	1	2	3	4	4.5	5
	<b>140</b>	<b>160</b>	<b>180</b>	<b>200</b>	<b>220</b>	<b>240</b>

Boiler Design Temperature °F

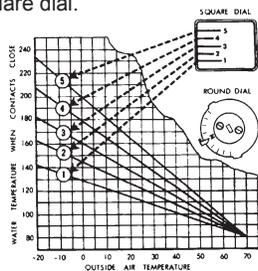


Chart 1 — Round dial set at "N".

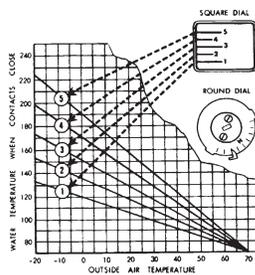


Chart 2 — Round dial set 2 divisions "COOLER" than "N". Each round dial increment equals approximately 5°F (3°C)

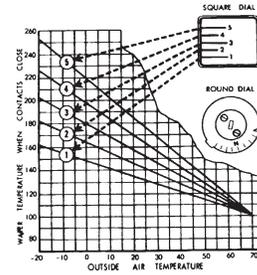


Chart 3 — Round dial set 4 divisions "WARMER" than "N".

Charts 1, 2 and 3 above show the effect dial settings have on the operating water temperature under varying conditions. The installation setting of the square (heat-loss ratio) dial can be estimated from the table above. Some installations may require minor additional adjustments when first severe weather is encountered.

- If area is too cool at low outdoor temperatures, raise square dial setting.
- If area is too warm at low outdoor temperatures, lower square dial setting.
- If area is too warm or too cool at all outdoor temperatures, then adjust round dial — cooler or warmer.