



## 17000 & 18000

### Cartridge and Immersion Temperature Controllers

- Cartridge & Hex Head Immersion (17000 Series)
- Coupling Head Immersion (18000 Series)
- Non-Indicating
- -100 to +600°F Temperature Range
- Slow Make & Break SPST
- 0.1°F Accuracy
- Not Pilot Duty Rated

#### *Cartridge Type Model 17000*



#### *Coupling Head Model 18000*



#### *Application*

Cartridge type is designed for drilled hole cartridge heating installations in molding presses, platens, rubber vulcanizers, hot plates, etc.

#### *Features*

- Adjustable range from -100 to +600°F offers wide field of application.
- Resolution sensitivity of 0.1°F offers close control of process.
- Compact size. Lengths under 5" and diameters less than 13/16" fit almost any application.
- Fast response as external metal shell expands or contracts with each temperature change.

- Sheathing is brass for low range units; stainless steel for higher temperature use.
- Couplings for hex head and coupling head types are brass with standard pipe threads for mounting. Hex head and coupling head immersion types are screwed directly through the threaded opening in tank or duct or directly into a pipeline containing gas or liquid. The coupling head unit may be directly attached to electrical conduit by means of standard male pipe threads.

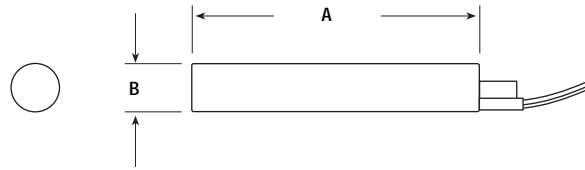
**WARNING: Hazard of Fire.** These controls function as temperature controls only. Because they do not fail-safe, an approved temperature and/or pressure safety control must be used for safe operation.

## 17000 & 18000

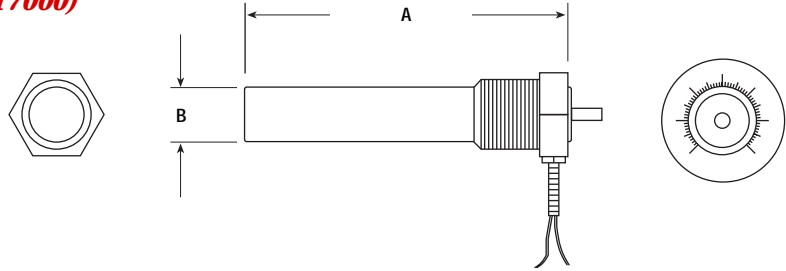
### Cartridge and Immersion Temperature Controllers (cont'd.)

#### Dimensions

#### Cartridge (Model 17000)



#### Hex Head Immersion (Model 17000)



**1/2 - 14 NPT**

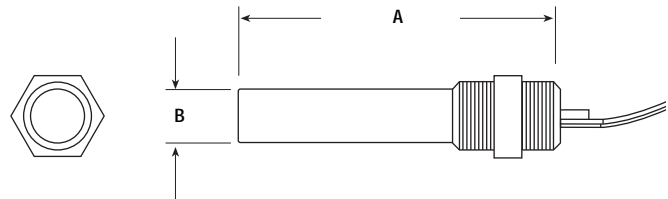
**3/4 - 14 NPT**

Dial and Knob  
furnished standard  
on all Hex Head  
models

17100-0  
17121-0  
17102-0  
17123-0

17150-0  
17152-0

#### Coupling Head (Model 18000)



#### Ordering Information

All Dimensions in Inches (mm)

Temperature Range (°F)	Contact Oper./Temp. Rise	Max. Amps AC		Dimensions (In.)		Model	Stock	PCN	Wt. (Lbs.)
		120V	240V	A	B				
<b>Cartridge Type</b>									
-100 to +400	Opens	10	5	3-23/32	5/8	17000-0	S	265480	2
-100 to +400	Closes	10	5	3-23/32	5/8	17021-0	S	227918	2
-100 to +600	Opens	10	5	3-23/32	5/8	17002-0	S	265498	2
-100 to +600	Closes	10	5	3-23/32	5/8	17023-0	S	227900	2
-100 to +400	Opens	25	12.5	3-23/32	13/16	17050-0	S	265500	3
-100 to +600	Opens	25	12.5	3-23/32	13/16	17052-0	S	265519	3
<b>Hex Head Immersion Type (With knob and dial)</b>									
-100 to +400	Opens	10	5	4-9/32	5/8	17100-0	S	265527	5
-100 to +400	Closes	10	5	4-9/32	5/8	17121-0	S	227897	5
-100 to +600	Opens	10	5	4-9/32	5/8	17102-0	S	265535	5
-100 to +600	Closes	10	5	4-9/32	5/8	17123-0	S	227889	5
-100 to +400	Opens	25	12.5	4-15/32	13/16	17150-0	S	265543	8
-100 to +600	Opens	25	12.5	4-15/32	13/16	17152-0	S	265551	8
<b>Coupling Head Immersion Type</b>									
-100 to +400	Opens	10	5	4-21/32	5/8	18000-0	S	227870	5
-100 to +400	Closes	10	5	4-21/32	5/8	18021-0	S	227862	5
-100 to +600	Opens	10	5	4-21/32	5/8	18002-0	S	227854	5
-100 to +600	Closes	10	5	4-21/32	5/8	18023-0	S	227846	5

**Stock Status:** S = stock AS - assembly stock NS = non-stock

**Notes —**

1. All models are UL Recognized

**Important:** Connect 0.1 µf capacitor across switch leads on all 240 Vac applications. Obtain from radio supply store.