

# Bi-Metal Immersion Temperature Switches

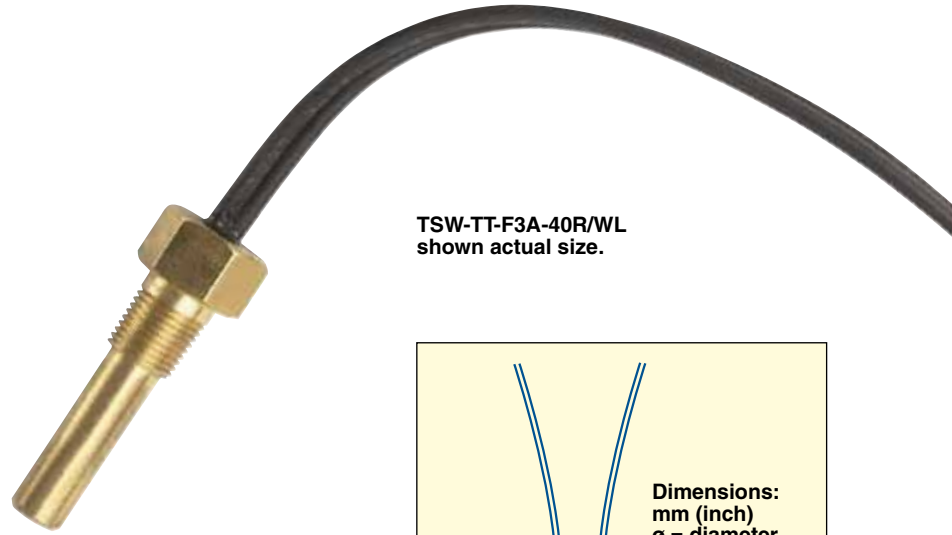
## TSW-TT Series



- ✓ Low Voltage/Low Current Applications
- ✓ ¼ NPT Mounting Threads
- ✓ Factory Preset Temperature
- ✓ Direct Action Contacts/ Minimum Hysteresis
- ✓ Gold Diffused, Fine Silver Contacts
- ✓ Economical and Compact
- ✓ NEMA 4, 13
- ✓ Compact and Economical

OMEGA's TSW-TT Series bi-metal immersion temperature switches are perfect for applications that require an economical solution to simple temperature control. All switches activate with a rise in temperature.

The TSW-TT Series offer a wide range of temperature pre-set values to select from.



TSW-TT-F3A-40R/WL shown actual size.

### Specifications

**Setpoint Range:** 4 to 149°C (40 to 300°F)

**Setpoint Tolerance:** ±2.8°C (5°F)

**Maximum Temperature:** 163°C (325°F)

**Current Rating:** 3 A @ 240 Vac, 2 A @ 24 Vdc (resistive)

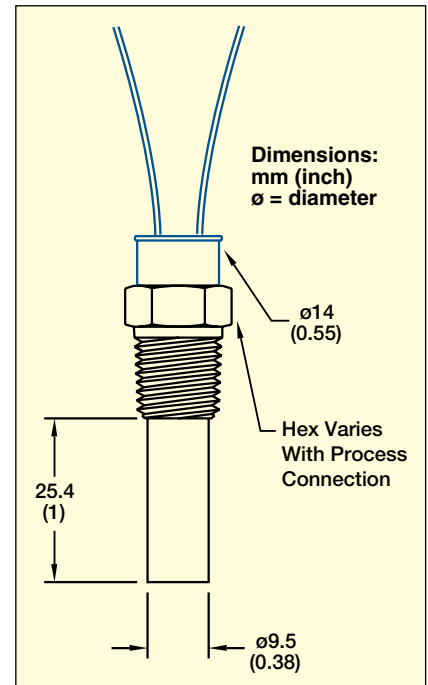
**Probe Length:** 25.4 mm (1")

**Media Connection:** ¼ NPT male

**Electrical Connection:** 152.4 mm (6") wire leads

**Circuit Form:** SPST-NO or SPST-NC

**Maximum External Pressure:** 5000 psi



## To Order

Model No.	Description
<b>Normally Open</b>	
TSW-TT-F3A-40R/WL	Normally open contacts, 4°C (40°F)
TSW-TT-F3A-50R/WL	Normally open contacts, 10°C (50°F)
TSW-TT-F3A-60R/WL	Normally open contacts, 15°C (60°F)
TSW-TT-F3A-70R/WL	Normally open contacts, 21°C (70°F)
TSW-TT-F3A-80R/WL	Normally open contacts, 27°C (80°F)
TSW-TT-F3A-90R/WL	Normally open contacts, 32°C (90°F)
TSW-TT-F3A-100R/WL	Normally open contacts, 38°C (100°F)
TSW-TT-F3A-110R/WL	Normally open contacts, 43°C (110°F)
TSW-TT-F3A-120R/WL	Normally open contacts, 49°C (120°F)
TSW-TT-F3A-130R/WL	Normally open contacts, 54°C (130°F)
TSW-TT-F3A-140R/WL	Normally open contacts, 60°C (140°F)
TSW-TT-F3A-150R/WL	Normally open contacts, 65°C (150°F)

Model No.	Description
<b>Normally Open, continued</b>	
TSW-TT-F3A-160R/WL	Normally open contacts, 71°C (160°F)
TSW-TT-F3A-170R/WL	Normally open contacts, 77°C (170°F)
TSW-TT-F3A-180R/WL	Normally open contacts, 82°C (180°F)
TSW-TT-F3A-190R/WL	Normally open contacts, 88°C (190°F)
TSW-TT-F3A-200R/WL	Normally open contacts, 93°C (200°F)
TSW-TT-F3A-210R/WL	Normally open contacts, 99°C (210°F)
TSW-TT-F3A-220R/WL	Normally open contacts, 104°C (220°F)
TSW-TT-F3A-230R/WL	Normally open contacts, 110°C (230°F)
TSW-TT-F3A-240R/WL	Normally open contacts, 115°C (240°F)
TSW-TT-F3A-250R/WL	Normally open contacts, 121°C (250°F)
TSW-TT-F3A-260R/WL	Normally open contacts, 127°C (260°F)
TSW-TT-F3A-270R/WL	Normally open contacts, 132°C (270°F)
TSW-TT-F3A-280R/WL	Normally open contacts, 138°C (280°F)
TSW-TT-F3A-290R/WL	Normally open contacts, 143°C (290°F)
TSW-TT-F3A-300R/WL	Normally open contacts, 149°C (300°F)
<b>Normally Closed</b>	
TSW-TT-F3B-40R/WL	Normally closed contacts, 4°C (40°F)
TSW-TT-F3B-50R/WL	Normally closed contacts, 10°C (50°F)
TSW-TT-F3B-60R/WL	Normally closed contacts, 15°C (60°F)
TSW-TT-F3B-70R/WL	Normally closed contacts, 21°C (70°F)
TSW-TT-F3B-80R/WL	Normally closed contacts, 27°C (80°F)
TSW-TT-F3B-90R/WL	Normally closed contacts, 32°C (90°F)
TSW-TT-F3B-100R/WL	Normally closed contacts, 38°C (100°F)
TSW-TT-F3B-110R/WL	Normally closed contacts, 43°C (110°F)
TSW-TT-F3B-120R/WL	Normally closed contacts, 49°C (120°F)
TSW-TT-F3B-130R/WL	Normally closed contacts, 54°C (130°F)
TSW-TT-F3B-140R/WL	Normally closed contacts, 60°C (140°F)
TSW-TT-F3B-150R/WL	Normally closed contacts, 65°C (150°F)
TSW-TT-F3B-160R/WL	Normally closed contacts, 71°C (160°F)
TSW-TT-F3B-170R/WL	Normally closed contacts, 77°C (170°F)
TSW-TT-F3B-180R/WL	Normally closed contacts, 82°C (180°F)
TSW-TT-F3B-190R/WL	Normally closed contacts, 88°C (190°F)
TSW-TT-F3B-200R/WL	Normally closed contacts, 93°C (200°F)
TSW-TT-F3B-210R/WL	Normally closed contacts, 99°C (210°F)
TSW-TT-F3B-220R/WL	Normally closed contacts, 104°C (220°F)
TSW-TT-F3B-230R/WL	Normally closed contacts, 110°C (230°F)
TSW-TT-F3B-240R/WL	Normally closed contacts, 115°C (240°F)
TSW-TT-F3B-250R/WL	Normally closed contacts, 121°C (250°F)
TSW-TT-F3B-260R/WL	Normally closed contacts, 127°C (260°F)
TSW-TT-F3B-270R/WL	Normally closed contacts, 132°C (270°F)
TSW-TT-F3B-280R/WL	Normally closed contacts, 138°C (280°F)
TSW-TT-F3B-290R/WL	Normally closed contacts, 143°C (290°F)
TSW-TT-F3B-300R/WL	Normally closed contacts, 149°C (300°F)