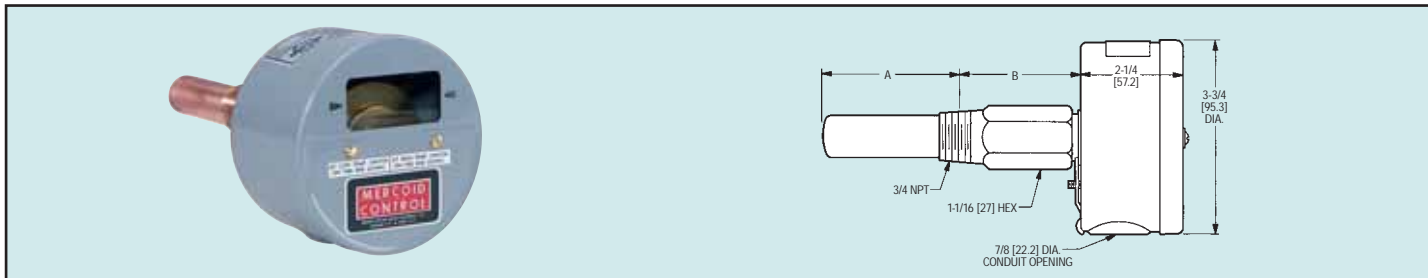




Series  
FM

# Immersion Temperature Control

Visible Setpoint Adjustment, Adjustable Deadband



**Compact and low cost,** Series FM-437 employs a bimetal element inside an immersion well. Instrument is detachable from the well, allowing maintenance without draining system. Visible calibrated dial reduces “start up” time and speeds set point changing. Contacts are hermetically sealed and mercury wetted. High current (up to 17A) capacity switches available on special order.

## MODELS

Copper Well Model No.	304SS Well Model No.	Operating Temp. Range °F(°C)	Deadband °F(°C)		Well Dim. in. (mm)	
			Min	Max	A	B
FM-437-153-3515	FM-437SS-153-3515	40-200 (5-93)	15(8.4)	160(89)	2 1/8" (73)	2 3/8" (60)
FM-437-153-3516	FM-437SS-153-3516	40-200 (5-93)	15(8.4)	160(89)	4 1/2" (114)	3/8" (19)
FM-437-153-3510	FM-437SS-153-3510	80-240 (27-115)	15(8.4)	160(89)	2 1/8" (73)	2 3/8" (60)
FM-437-153-3511	FM-437SS-153-3511	80-240 (27-115)	15(8.4)	160(89)	4 1/2" (114)	3/8" (19)
FM-437-153-3528	FM-437SS-153-3528	160-300 (71-149)	18(10)	140(78)	2 1/8" (73)	2 3/8" (60)
FM-437-153-3529	FM-437SS-153-3529	160-300 (71-149)	18(10)	140(78)	4 1/2" (114)	3/8" (19)

## SPECIFICATIONS

**Service:** Compatible liquids or gases.  
**Wetted Materials:** Well: Copper or 304 SS.  
**Temperature Limit:** Process: 375° F (190°C), Ambient: 180° F (82°C).  
**Pressure Limit:** Copper well: 200 psi (13.8 bar) @ 300° F (149°C), 304 SS well: 900 psi (62 bar) @ 300° F (149°C).  
**Enclosure Rating:** General purpose.  
**Switch Type:** SPDT mercury switch. Optional SPST.  
**Electrical Rating:** 4A @ 120 VAC/DC, 2A @ 240 VAC/DC. 1/8 HP @ 120/240 VAC single phase.  
**Electrical Connections:** Screw terminal.

**Conduit Connection:** 7/8" (22.23 mm) hole for 1/2" (12.7 mm) conduit hub.  
**Process Connection:** 3/4" NPT male.  
**Mounting Orientation:** Horizontal and level.  
**Set Point Adjustment:** Internal moveable pointers for set point and reset point.  
**Weight:** 2 lb (0.9 kg).  
**Deadband:** Adjustable, see model chart.  
**Options:** SPST mercury switches with higher current ratings.  
**Set Point Scale:** Indication in °F standard. °C optional.  
**Agency Approvals:** UL, FM and CSA.

**FM-437 Models** (with copper well) .....  
**FM-437SS Models** (with 304 stainless steel well) .....