



DESCRIPTION

The S5TAF and S7TAF model series are bimetallic temperature switches. The S5TAF series features a large temperature differential and the S7TAF series features a small temperature differential. The sensing element is designed to provide rapid temperature response.

FEATURES

- Temperature switch and sensor
- Compact size
- Low differential

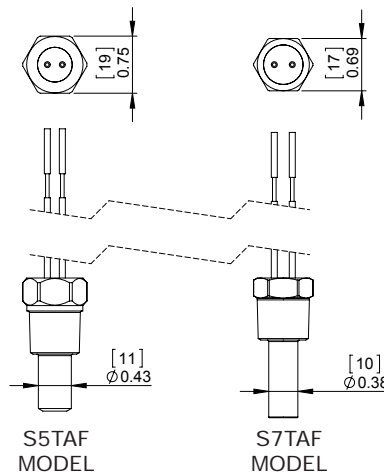
APPLICATIONS

- Coolant temperature switch/sensor
- Lubrication systems
- Oil reservoir temperature switch/sensor

Specifications

Model	S5TAF	S7TAF
Set Point Range (Factory Set)	130°F to 300°F (54°C to 150°C)	40°F to 300°F (4°C to 150°C)
Electrical	120/240 VAC - 3A Resistive 120/240 VAC - 2.5A Inductive 12/24 VDC - 3A Resistive 12/24 VDC - 2A Inductive	120/240 VAC - 3A Resistive 120/240 VAC - 2.5A Inductive 12/24 VDC - 3A Resistive 12/24 VDC - 2A Inductive
Contacts	Silver	Gold
Switch Type	Bimetal Snap Action	Bimetal Snap Action
Protection	IP65	IP65
Repeatability	+/- 7°F	+/- 7°F
Temperature Differential	Approximately 30% of Setpoint	Approximately <4% of Setpoint
Temperature Exposure Limit	325°F (162°C)	325°F (162°C)
Housing Material	Brass	Brass
Probe Length	3/4"	1/2", 1", 2"
Maximum Overpressure	5000 PSI (345 BAR)	5000 PSI (345 BAR)
Weight	0.15 lbs (0.06 kg)	0.15 lbs (0.06 kg)

Dimensions



Wiring Code

CONTACT	FLYING LEADS	FLWF / FLWM FLCM / FLCF / FLPM / FLPF	FLDR / FLDP
COMMON	BLACK	PIN A	PIN 1
NORMALLY CLOSED	BLACK	PIN B	PIN 2
NORMALLY OPEN	BLACK	PIN B	PIN 2

Ordering Information

Factory Preset

1
2
3
4
5

S5TAF or S7TAF - **120R** - **4M08** - **A** - **SP**

1 Model Selection:

- S5TAF** - Approximately 30% of differential (see Specifications Table)
- S7TAF** - Approximately <4% of differential (see Specifications Table)

2 - Temperature Selection (Fahrenheit Rising):

S5TAF Model	S7TAF Model
130R	120R
140R	140R
150R	160R
160R	170R
170R	180R
180R	
190R	
200R	
220R	

*Other Setpoints are available upon request. Consult factory for availability

3 - Thread Options:

Thread Description	S5TAF Model	S7TAF Model		
	3/4" Probe	1/2" Probe	1" Probe	2" Probe
1/4 NPT	4M12	4M08	4M16	4M32
3/8 NPT	6M12	N/A	6M16	N/A
1/2 NPT	8M12	8M08	8M16	8M32
3/4-16 SAE with Viton O-ring seal	8S12	N/A	8S16	N/A

*Other Thread and Probe options are available upon request. Consult factory for availability

4 - Circuit:

- A** - SPST (Normally Open)
- B** - SPST (Normally Closed)

5 - Electrical Termination:

- FL** - Flying Lead 18" long, (20 AWG for S5TAF) (18 AWG for S7TAF)
- FLWF** - Flying Lead Weatherpack connector, female, 10" long leads
- FLWM** - Flying Lead Weatherpack connector, male, 10" long leads
- FLDP** - Flying Lead Deutsch connector, plug, 10" long leads
- FLDR** - Flying Lead Deutsch connector, receptacle, 10" long leads
- FLCM** - Flying Lead, Metripack, male, 150 series, 10" long leads
- FLCF** - Flying Lead, Metripack, female, 150 series, 10" long leads
- FLPM** - Flying Lead Metripack 280 connector, male, 10" long leads
- FLPF** - Flying Lead Metripack 280 connector, female, 10" long leads

*Other material and options available upon request. Please consult factory for details.