

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 and high differential

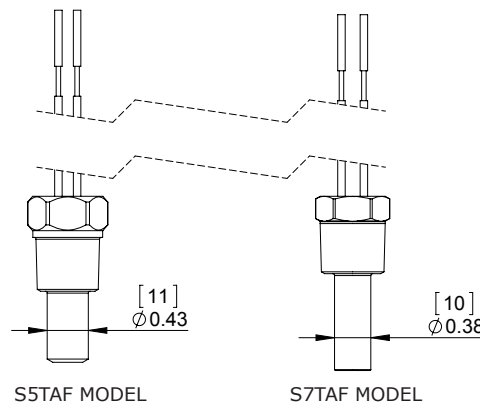
APPLICATIONS

- 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 Creep 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



Hex Size varies depending on thread and model. Please consult factory for details.

Probe length is listed on ordering information.

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 S5TAF or S7TAF - ² 140R - ³ 4M08 - ⁴ A - ⁵ FL

1 Model Selection:

S5TAF - Approximately 30% of setpoint (see Temperature Selection Table)

S7TAF - Approximately <4% of setpoint (see Temperature Selection Table)

2 - Temperature Selection - Standard available setpoints (Fahrenheit Rising):

S5TAF Model	S7TAF Model
130R	115R*
140R	120R
150R	140R
160R	160R
170R	170R
180R	180R
190R	
200R	
220R	

*This set point is only offered in normally open configuration

-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
1/2 BSPP	8G12	8G12	N/A	N/A
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:

EL - 1/2" male conduit with 18" long leads. Only available with 8M08 thread

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.