

Installation Instructions for TAS Temperature Switches

Adjusting the Set Point:

- For DIN Models, remove DIN securing screw, leave DIN adaptor in place.
- Insert a 5/64" allen key into hole for the adjustment screw.
- For FL and SPADE models remove adjustment plug at top and insert allen key
- For Integral Deutsch, insert allen key through adjustment hole

Adjustable TAS Temperature Switches are shipped from the factory set at 150° F Rising temperature unless otherwise specified.

- 1) To adjust using a separate temperature bath, submerge the switch into the fluid with the fluid level covering at least 1/3rd of the housing hex. Remove the adjustment plug and connect the switch to a power light indicating source. (For models with an integral Deutsch connector attach wires to the common and either NO or NC pin so a 5/64" Allen wrench can be entered thru the adjustment hole in center of connector) Increase the bath fluid temperature to the desired set point until the temperature has stabilized. For set point temperatures above 150°F (65°C), rotate the adjustment screw clockwise and for set point temperatures below 150°F (65°C), counterclockwise until the switch changes circuit indicating the desired set point has been reached. Fine adjustment can be obtained by rotating the adjustment screw both clockwise and counterclockwise while maintaining the bath fluid at the desired temperature. This will establish the set point differential if required prior to installing the switch into the application.
- 2) With the switch installed in the application and the desired set point temperature has been stabilized, connect the switch to an indicating power source and adjust the switch as indicated above to the desired set point.

NOTE: Model TAS is an adjustable switch which can be factory preset at the desired set point temperature. For example, model TAS-8M-C-DI is an adjustable model with a set point range of 50°F to 300°F rising with a 1/2" npt port, "C" circuit and 3 pin Integral Deutsch electrical connector. The switch can be factory set by adding "set at 120°F Rising" to the model number.

NOTE: To facilitate the ease of adjustment, PVS is in the process of releasing a chart indicating the degrees of rotation of the adjustment screw required to change the set point from the factory set 150°F Rising. Call PVS for details.

"C" CIRCUIT

Contact	Spades (Fig 1)	Flying Leads	DIN HC/HN (Fig 2)	Integral Deutsch (Fig 4)
Common	C	Black	Pin 1	Pin C
N.Closed	NC	Green	Pin 2	Pin B
N. Open	NO	Red	Pin 3	Pin A

"A OR B" CIRCUIT

Contact	Spades (Fig 5)	Flying Leads	DIN HC/HN (Fig 2)	Integral Deutsch (Fig 3)
Common	C	BLACK	PIN 1	PIN 1
NO / NC	NO or NC	Red or Green	PIN 3 or PIN 2	PIN 2

