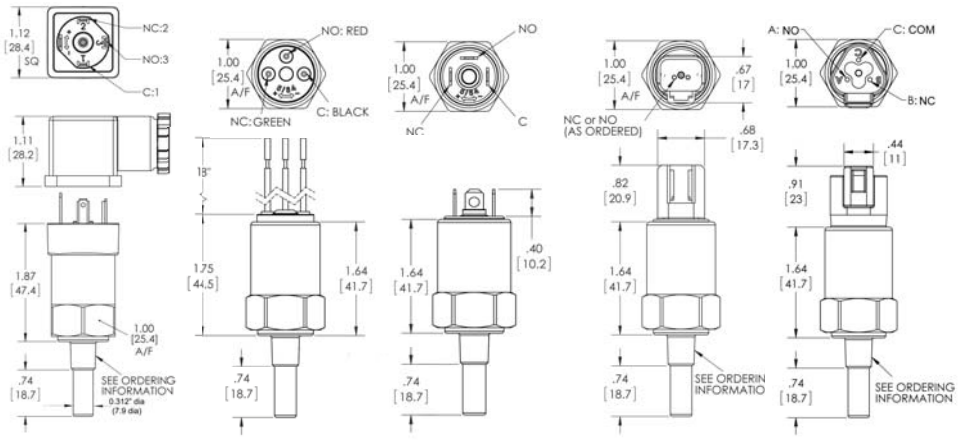
TAS/TFS Temperature Switch
Fluid Expansion



DIN | **Flying Leads** | **Spade** | **Deutsch Integral - 2 Pin** | **Deutsch Integral - 3 Pin**

(Probe length varies per port, .74" is standard for 1/8" npt)

*The **TAS/TFS** is a temperature switch for protection of all types of engines, pumps, compressors, gear boxes, hydraulic reservoirs, marine and industrial power plants. It provides fast accurate temperature response through a brass probe that protrudes into the application.*

ELECTRICAL:
Standard: 5A, 125/250 VAC - UL Recognized
5A, 12/24 VDC - UL Recognized
Option -7: 0.02A, 60 VDC - UL Recognized
Gold contacts may be required for less than 12 VDC and 20 milliamp
Electrical Ratings - Other
3 AMP - Up to 30 VDC

CIRCUIT:
SPST - Normally Open
SPST - Normally Closed
SPDT

PROTECTION:
Exposed Terminals – IP00
DIN HC - IP65
Flying Leads & Deutsch Integral - IP69

MAX WORKING PRESSURE:
750 PSI (52 BAR)

HOUSING MATERIAL:
Brass

TOLERANCE:
± 6°F (3°C)

TEMPERATURE SET POINT RANGE:
40°F - 300°F (5°C - 150°C)

DIFFERENTIAL:
8°F - 16°F

MAXIMUM OPERATING TEMPERATURE:
325°F (163°C)

MAX OVERLOAD:
50°F (28°C) Above set point

ORDERING INFORMATION

TFS	*- 120F **	*- R**	*- 4M*	*- A*	*- SP*	*- 7 **
Model	**Temperature Set Point**	**Direction**	**Port Size**	**Circuit**	**Terminal**	**Options**
TAS Field Adjustable TFS Factory Set	** Omit for TAS Adjustable Model* Specify Set Point Required F or C 40°F - 300°F (5° - 150°C)	** Omit for TAS Adjustable Model* R - Temperature Rising F - Temperature Falling	2M - 1/8 NPT 4M - 1/4 NPT 6M - 3/8 NPT 8M - 1/2 NPT 6S- 9/16X18 SAE MALE 4G - 1/4 BSPP (undercut for an o-ring seal) 4GS- 1/4 BSPP (no undercut) 8S - 3/4-16 SAE MALE	A - SPST / NO B - SPST / NC C - SPDT	SP - 1/4" x 1/32" Spade TS - 6-32 Terminal Screws FL - Flying Leads 18" FLL - Advise additional length of leads if required H - DIN43650A Male Half Only HC - DIN43650A Cable Clamp HN - DIN43650A 1/2" Conduit (female) HCC - 36" Cable DI - Deutsch Integral (2 pin and 3 pin) M12 - M12 X 1	** Omit for Standard* 7 - Gold Contacts ****Call Factory for Shrink Wrap Options & Pricing