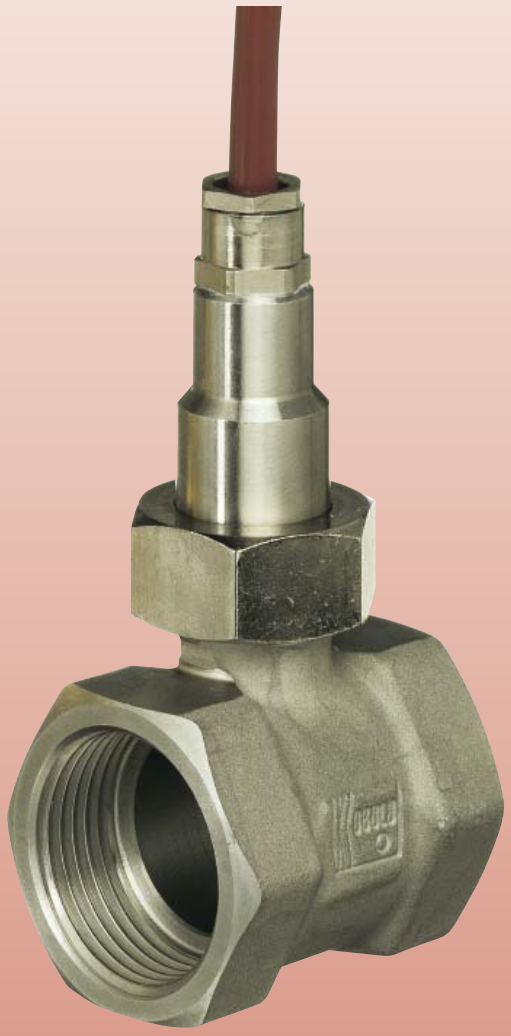
Zertifiziertes QM-System
DIN EN ISO 9001
Zertifikat-Nr. 01017

Thermal Reed Switches for Temperature Monitoring and Setpoint Control

KOBOLD

measuring • monitoring • analysing

TRS



- Excellent repeatability
- Long service life
- Resetting hysteresis: ≤ 10 °C
- Tolerance: ± 5 °C
- Material: brass or stainless steel
- Connection: G ¼ ... G 1
- Switch points: 10 °C ... 120 °C

T1

KOBOLD companies worldwide:

ARGENTINA, AUSTRIA, BELGIUM, BULGARIA, CANADA, CHILE, CHINA, COLOMBIA, CZECHIA, DOMINICAN REPUBLIC, EGYPT, FRANCE, GERMANY, GREAT BRITAIN, HUNGARY, INDIA, INDONESIA, ITALY, MALAYSIA, MEXICO, NETHERLANDS, PERU, POLAND, ROMANIA, SINGAPORE, SOUTH KOREA, SPAIN, SWITZERLAND, TAIWAN, THAILAND, TUNISIA, TURKEY, USA, VIETNAM

KOBOLD Messring GmbH
Nordring 22-24
D-65719 Hofheim/Ts.
Head Office:
+49(0)6192 299-0
+49(0)6192 23398
info.de@kobold.com
www.kobold.com

Description

Thermal reed switches are used for temperature monitoring and control. They are characterised by their long service life and operational reliability.
A particular advantage is their excellent repeatability, as thermal reed switches are practically insensitive to the service environment. In contrast to bimetal thermostats, for example, the switch point is not affected by the load current.

The thermal reed switches of model TRS are supplied in

a robust housing made of brass or stainless steel with G¼ ... G 1 internal thread on both sides and with a 1.5 m silicone sheathed cable. They are thus also suitable for service in rough conditions.

The temperature contacts have a fixed switch point in intervals of 5 °C over the range 10 °C ... 50 °C, and in intervals of 10 °C over the range 50 °C ... 120 °C and are designed as N/C contacts.

Application

The thermal reed switches of model TRS are suited for universal use. They can be used in applications where temperature monitoring or control is required.

Technical Details

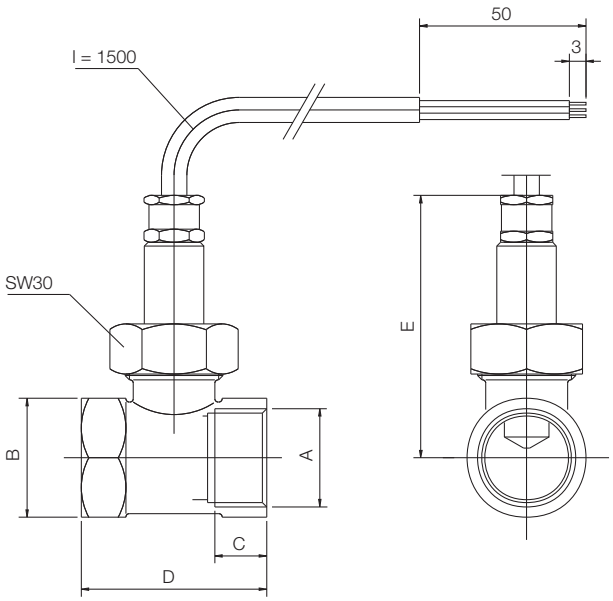
Material

Housing:	brass or stainless steel
Seal:	FPM
Cable:	1.5 m silicone sheathed cable, (longer cable upon request)
Pressure:	PN16 version brass PN 25 version stainless steel
Allowed medium temperature:	-40 °C +120 °C
Tolerance:	±5 °C
Resetting hysteresis:	≤10 °C
Contact:	N/C contact with rising temperature
Contact loading:	max. 10 W/12 VA
DC voltage:	max.100 V
AC voltage:	max.120 V
Permanent current:	max.1 A
Make current:	max. 0.5 A

We recommend service contact protection relays for switching with higher currents and for mains operation 230 V (see brochure Z2).

Dimensions

A	B [mm]	C [mm]	D [mm]	E max. [mm]
G¼	27	10	50	77
G⅜	27	10	50	77
G½	27	10	50	77
G¾	32	15	52	78
G 1	39	15	56	81



Order Details (Example: **TRS-1108 010**)

Connection female thread	Housing material: Brass	Housing material: Stainless steel	Switch point (N/C contact with rising temperature)	
G¼	**TRS-1108..**	**TRS-1208..**	**...010** = 10 °C **...015** = 15 °C **...020** = 20 °C **...025** = 25 °C **...030** = 30 °C **...040** = 40 °C **...045** = 45 °C **...050** = 50 °C	**...060** = 60 °C **...070** = 70 °C **...080** = 80 °C **...090** = 90 °C **...100** = 100 °C **...110** = 110 °C **...120** = 120 °C
G⅜	**TRS-1110..**	**TRS-1210..**		
G½	**TRS-1115..**	**TRS-1215..**		
G¾	**TRS-1120..**	**TRS-1220..**		
G 1	**TRS-1125..**	**TRS-1225..**		

1/02-2014