TFTC-400

Electronic Pressure Switch Split type

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Introduction

- Type TFTC-400 is a temp. controlling unit, gathering displaying and controlling functions. It is high in precision, small in volume, which can be matched with temp. sensor with oil tank (T-FGW-100) mainly control the temp. in hydraulic and lubricate drive system.
- It has one or two switch value outputs (transistor output), selecting standard-analogue valve output of one way (4～20mA), and wiring with upper computer and PLC controlling system, you can set the switch point and prolongation by pushing button.

Ordering code

TFTC	400	A	1	001	

Plant Code

Series Code

Output signal
One-way switch output = A
Two-way switch output = B
One way switch output and one-way analogue output = C
Two-way switch output and one-way analogue output = D

The length of setting wire for the temp. sensor is 1～2m.

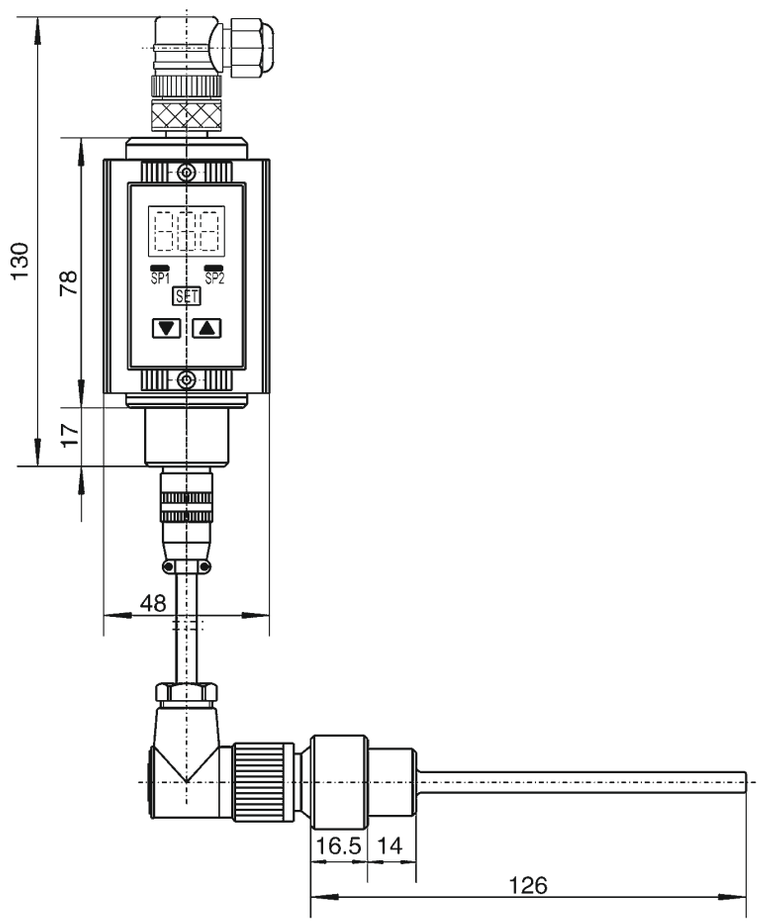
Model's Code Changed
001 : Upgrade type = 001

Special requirement

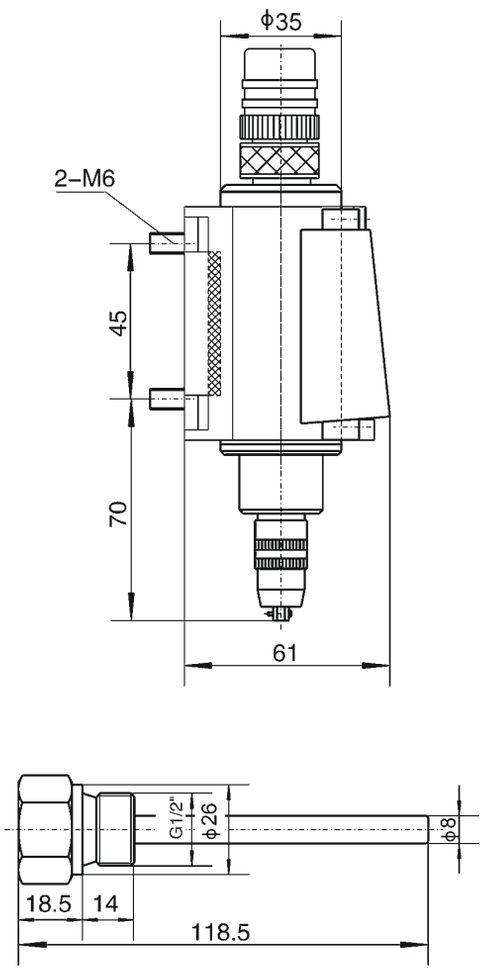
Technical data

Basic data	
Measuring range (°C)	-30～150
Output data	
Accuracy (display/analogue output)	≤±1.0%FS
Temperature excursion	≤± 0.3%/10°C
Analogue Output	
Output Signal	4～20mA, Resistance≤400Ω
Switch output	
Output type	Transistor output (PNP)
Switch current	1.2A
Response time	20ms About 10ms
Ambient condition	
medium temp. range (°C)	-30～+150
Ambient temp. range (°C)	-25～+70
Other data	
Power Supply	20～32 VDC
Current consumption	100mA About 100mA
Panel display	3-digit, 7-section LCD display, red, word height 9.2mm
Protecting class	IP65
Accessories	
Temp. Sensor	TFGW-100
Protecting cover for sensor	TFGW-100-HT

Unit Dimensions (Dimensions in mm)



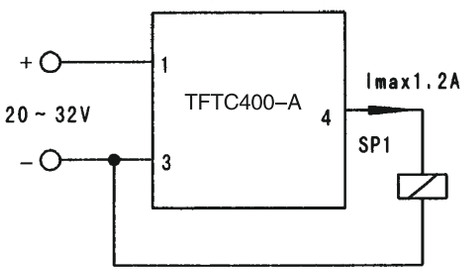
Temperature sensor
TFGW-100



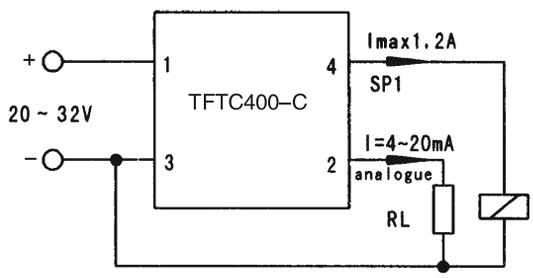
Protecting cover
TFGW-100-HT

Wiring Diagram

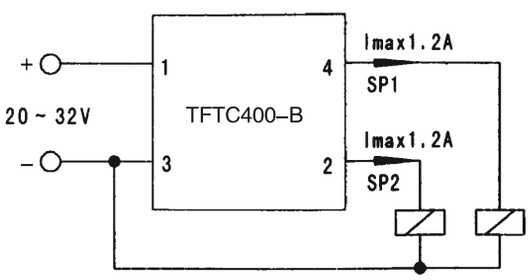
One–way switch output



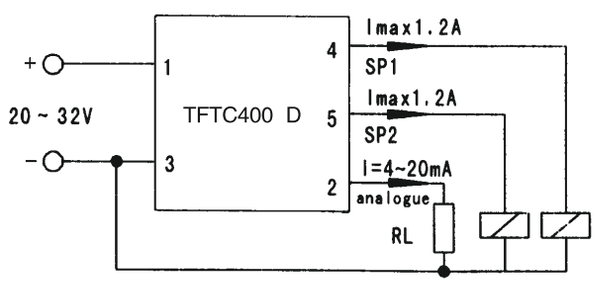
One–way switch and one–way analogue output



Two–way switch output

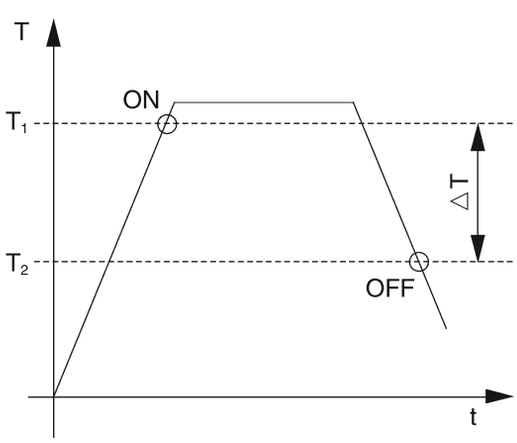


Two–way switch and one–way analogue output



Switching point and switch-back point

- The switching point is defined as being the temp. valve, which when it is reached (while temp. is increasing) causes a change in the relay state.
- This output state is maintained until the temp. falls below the switch-back point allocated to the switching point.
- The switch-back point is the temp. valve at which the output relay switches back to its original state.
- The difference between the switching point and switch-back point is refined as being the switch-back hysteresis.



- P1 = Switching point
- P2 = Switch-back point
- △P = Switch-back hysteresis (switching point minus switch-back point)

The specified data is for product description purposes only and may not be deemed to be guaranteed unless expressly confirmed in the contract.

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