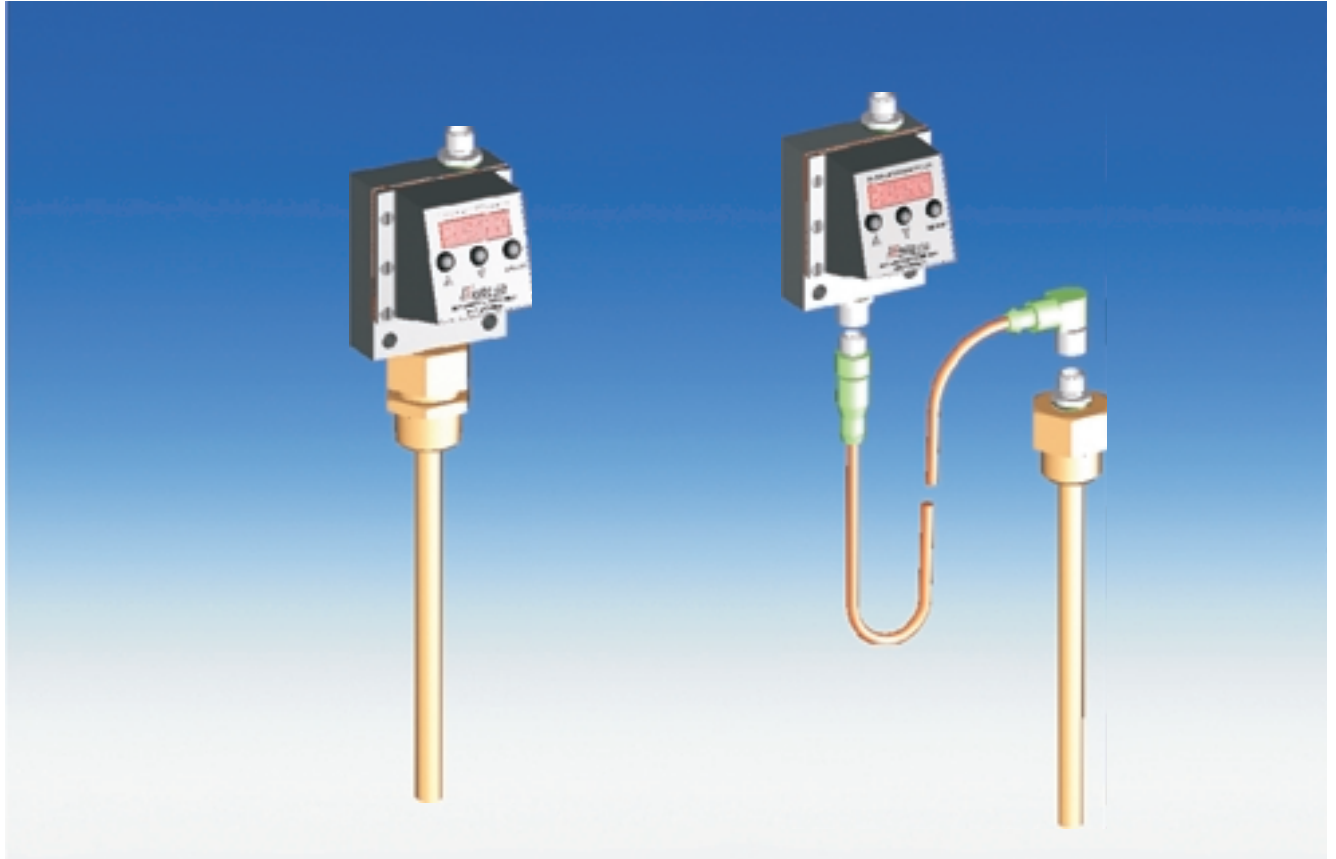


Electronic Contact Thermometer Thermotronic 71-F -W



Plant automation has an increasing demand for compatible and cost effective control units.

Fluid power or lubrication systems for this range of applications require for the precise control of the fluid temperature compact controls which intergrate simply into both, the electrical control system and the mechanical installation.

Beside just alarm outputs it is more and more requested to provide also continous signals for remote processing.

The Thermotronic 71 has been particularly designed for this kind of applications . Directly attached to the temperature sensor, the unit can be installed on to the tank top. Alternatively, the control unit can be wall mounted with an intermediate cable to the sensor.

The Thermotronic is microprocessor controlled and easy to programme by three keys. The LED display provides excellent visibility and indicates also all status information.

The actual operating temperature of the fluid can be displayed either in °C or °F.

Depending on the version, the Thermotronic provides either two adjustable alarm outputs, or two alarm outputs plus a 4-20 mA signal.

- **LED-display with excellent visibility**
- **two adjustable alarm outputs**
- or
- **two adjustable outputs plus a 4-20 mA signal**
- **easy tank top or remote installation**
- **ready for installation**
- **easy to operate**

technical data

operating pressure	: max. 5 bar
operating temperature	: - 40 °C to + 100 °C
material:	
front cover	: ABS
housing	: aluminium anodized
probe	: brass

Thermotronic 71

range of temperature display	: from - 20 to + 120 °C / 4° to 248 °F
range of alarm indication	: 0 to + 99 °C or 32 ° to 178 °F
protection class	: IP65
display	: four digit seven segment-LED- display, light emitting diodes for status display
current consumption at power up	: about 140 mA for 100 ms
operating current consumption	: approx 30 - 50 mA
supply voltage	: 24 VDC ± 10 %
ambient temperature	: 0 - 70 °C
accuracy	: 1 % of full range
resolution	: 1 °C / 2 °F
programming	: via three touch keys
temperature sensor	: Pt 100 class B DIN / IEC 751

- with alarm output

programmable set points	: max. 2
output	: PNP

- with additional 4-20 mA output

output	: 4 mA = 0 °C ; 20 mA = 100 °C
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General description of Thermotronic 71

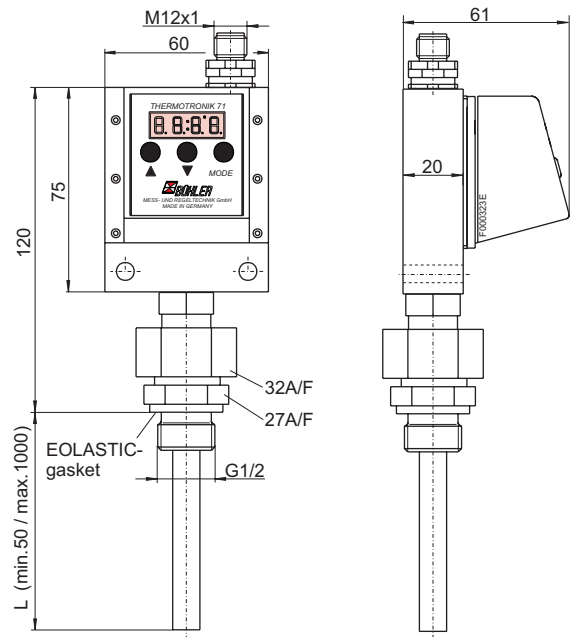
The Thermotronic 71 is a combined microprocessor controlled digital display and control unit for monitoring and stabilizing the operating temperature in fluid power systems.

The actual temperature is displayed on a high visibility LED display. The status of the entire unit (output, sensor, broken wire) is indicated by separate LED's. The value can be set to Celsius or Fahrenheit. Programming is by touch keys. The settings are protected against unauthorized operation by key lock.

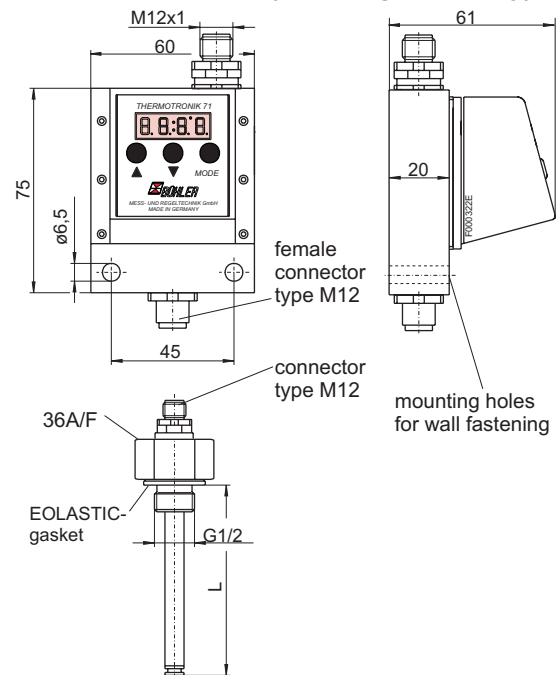
accessories (for Thermotronic 71-W)

description	part-no
mounting screws DIN912-M6x25	: 149011686
connection cable, length 1,5 m	: 9144050016
connection cable, length 3,0 m	: 9144050017
5 pol. connection plug 3,0 m	: 9144050018
(for version with two alarm outputs without 4-20 mA)	
8 pol. connection plug 2,0 m	: 9144050019
(for version with two alarm outputs with 4-20 mA)	

Thermotronic 71-F (mounting tank top)



Thermotronic 71-W (mounting separately)



order information

Thermotronic 71	-F (mounting tank top)				-W (mounting separately)			
	L=250	L=370	L=520	L=variable*	L=250	L=370	L=520	L=variable*
with two alarm outputs**	1474299250	1474299370	1474299520	1474299	1473299250	1473299370	1473299520	1473299
with 4-20 mA output plus two alarm outputs**	1474699250	1474699370	1474699520	1474699	1473699250	1473699370	1473699520	1473699

* If length variable, write length by additional text to order-no.

**If temperature output shall be pre-set indicate T1 or T2.