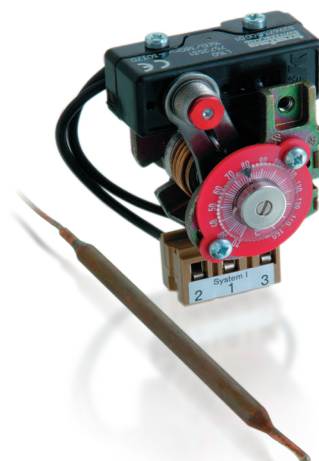


LABOR LIMISTAT

Swiss based Trafag is a leading international supplier of high quality sensors and monitoring instruments for measurement of pressure and temperature.



Applications

- Machine tools

Features

- Without housing
- Short response time
- Electrical connection on terminal screw

12/2025

Data sheet H72124s

Technical Data

Designation of application	Remote sensing thermostat with limiter, skeleton type	Switching differential	Not adjustable
Measuring range	-30°C ... +40°C to +70°C ... +350°C	Repeatability	± 0.5 % FS typ.
Output signal	Floating change-over contact		

Subject to change

Ordering information/type code

		755 . XX		XX	XXX	XX	XXXXXXXXXX	XX	XX
Microswitch	For increasing temperatures, screw terminal	12							
Range	Range [°C]	Sensor max. [°C]		Range [°C]	Sensor max. [°C]				
	-30 ... +40	45	01	+20 ... +150	165	31			
	0 ... +35	70	09	+20 ... +230	250	24			
	-10 ... +35	70	94	+40 ... +300	330	53			
	+5 ... +95	105	20	+70 ... +350	380	54			
	+20 ... +110	115	23						
Sensor ¹⁾	See table "Ordering-no. for sensors"			XXX					
Fixing ²⁾	Nut M10 (for remote sensing version)					10			
	Angle bracket (for remote sensing version)					17			
	Bracket (for remote sensing version)					27			
	Grubscrew locked, lateral (direct mounting version) ⁴⁾					12			
	Cap nut (for direct mounting version) ⁴⁾					14			
	Grubscrew locked with spacer (cooling element) (for direct mounting version)					18			
Protection tube	See data sheet www.trafag.com/H72114 and www.trafag.com/H72163			XXXX.XXXX					
Accessories	Switchpoint locking								15
	Switchpoint fixed and sealed upon customer's request								88
	Switchpoint preset upon customer's request, no guarantee on switching accuracy								83
	Switchpoint adjustment please indicate when ordering: - Switchpoint [°C] - Increasing or decreasing								
	Capacitor over Pin 1-4								13
	Railway version IEC 61373, category 2								28
	Capillary tube protection: Flexible metal tube, brass nickel-plated ⁵⁾								90
	Capillary tube protection: Flexible metal tube 1.4301 (AISI 304)								91
	Capillary tube protection: PVC tube								92
Capillary tube length	Capillary tube length up to 5000 mm (no specification required for direct mounting on protection tube) L=XXXX ³⁾								

¹⁾ See data sheet www.trafag.com/H72114 and www.trafag.com/H72163

²⁾ See data sheet www.trafag.com/H72106

³⁾ Overlengths upon request

⁴⁾ Media max. 150°C in continuous operation

⁵⁾ Do not use for new designs. Will be phased out in 2026.

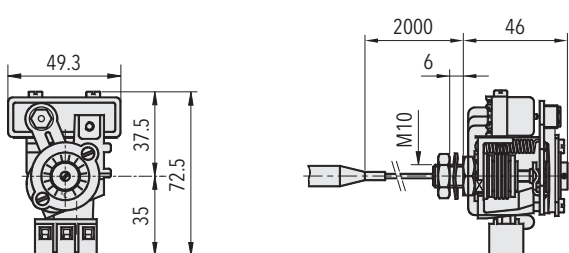
Ordering no. for sensors

Range	Sensor-Ø	Sensor material	
		Stainless steel	Copper
01, 09	7.0 mm	421	422
	9.0 mm	–	432
94, 20, 23	7.0 mm	321	322
	9.0 mm	–	332
31	7.0 mm	121	122
	9.0 mm	–	132
24, 53, 54	7.0 mm	021	022
	9.0 mm	–	032

Standard products (extra short lead time)

Product No.	Type Code	Sensor material	Temperature range [°C]	Sensor max. [°C]
L95R	755 1220 322 10	Copper	+5 ... +95	105
L150R	755 1231 122 10	Copper	+20 ... +150	165
L230SR	755 1224 021 10	1.4435 (AISI316L)	+20 ... +230	250
L350SR	755 1254 021 10	1.4435 (AISI316L)	+70 ... +350	380

Dimensions



755.12XX.XXX.XX...

Specifications		
Accuracy	Repeatability	± 0.5 % FS typ.
	Scale accuracy typ.	± 2 % FS typ.
	Switching differential	See table
	Switching point	Temperature compensated with bimetal switch lever
Environmental conditions	Ambient temperature	Range $\leq +45^{\circ}\text{C}$: $-30^{\circ}\text{C} \dots +50^{\circ}\text{C}$ Range $+45^{\circ}\text{C} \dots +250^{\circ}\text{C}$: $-30^{\circ}\text{C} \dots +70^{\circ}\text{C}$ Range $> +250^{\circ}\text{C}$: $-10^{\circ}\text{C} \dots +70^{\circ}\text{C}$ (Important: Temperature at sensor may not exceed maximum sensor temperature)
	Storage temperature	$-20^{\circ}\text{C} \dots +40^{\circ}\text{C}$
	Protection	IP00
	Humidity	Max. 95 % relative
Mechanical data	Filling	Liquid
	Housing	See ordering information
Microswitch	Rating	See table
	Resistance of insulation	$> 2 \text{ M}\Omega$
	Dielectric strength	2 kV terminal ground
	Life time (mechanical)	0.3 Mio. cycles
Electrical connection	Terminal screw	$3 \times 1 \dots 2.5 \text{ mm}^2$

Additional information		
Documents	Data sheet	www.trafag.com/H72124
	Instructions	www.trafag.com/H70211

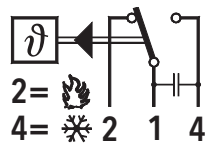
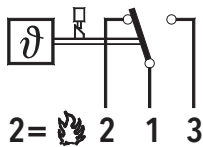
Switching differential typ.

Measuring range	[°C]	-30 ... +40 0 ... +35	-10 ... +35 +5 ... +95 +20 ... +110	+20 ... +150	+20 ... +230	+40 ... +300 +70 ... +350
Microswitch 12: Switching differential not adjustable	[°C]	(7.5)	(7.5)	(19)	(22.1)	(>25)

Electrical data switch

Type	Features	Rating Resistive Load (Inductive Load)	
		AC	DC
12	Average switching differential, high vibration resistance	125 V, 15 (1.5) A 250 V, 15 (1.25) A 500 V, 10 (0.75) A	250 V, 0.3 (0.2) A 125 V, 0.75 (0.4) A 30 V, 15 (1.5) A 14 V, 15 (1.5) A

Electrical Connection



With accessory 13