

Nivovent 75 with Thermotronic 71

easyjust



The Nivotemp 75 featuring the Bühler “easyjust” technology is a compact economic combination of level switch and precise temperature indication from the LED display. The unit can provide two temperature alarm/switch outputs in addition to two level switching points.

The “easyjust” system simplifies the adjustment of the level contacts. The system consists of level contact cartridges that clip onto a gold plated contact board which incorporates the Pt100 temperature sensor.

Both the level contacts and the temperature controls clip directly onto the contact board thus eliminating wiring.

The unit has a DIN 24557 flange for ease of installation and a variety of electrical terminations. The connection between the terminal blocks and the contact board is also a quick change type making this unit very adaptable for a wide variety of applications.

- **combination of breather/filter, level and temperature control**
- **adjustable alarm outputs for temperature**
- **”clip on” adjustable level contacts**
- **high float sensitivity**
- **standard connectors**
- **easy installation**
- **maintenance free (except filter element)**
- **high visibility LED display**
- **standard lengths 250, 370, 520 mm**

technical data

operating pressure : max. 1 bar
 operating temperature : max. 80 °C
 spec. gravity of fluid : min. 0,8 kg/dm³

material:

float SK 601 : hard PU
 switch tube : brass
 flange : PA
 breather : PA
 retention rate : SM-L = 3 µm

level contact **single contact* or change over**

min. distance between contacts : 40 mm
 max. voltage : 24 V
 max. current : 0,5 A
 contact load : 10 VA

*NC=normally closed / NO=normally open, all figures at **empty reservoir**

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
 programmable set points : max. 2
 material housing : PA, IP65
 display : four digit seven segment-LED-display, light emitting diodes for status display

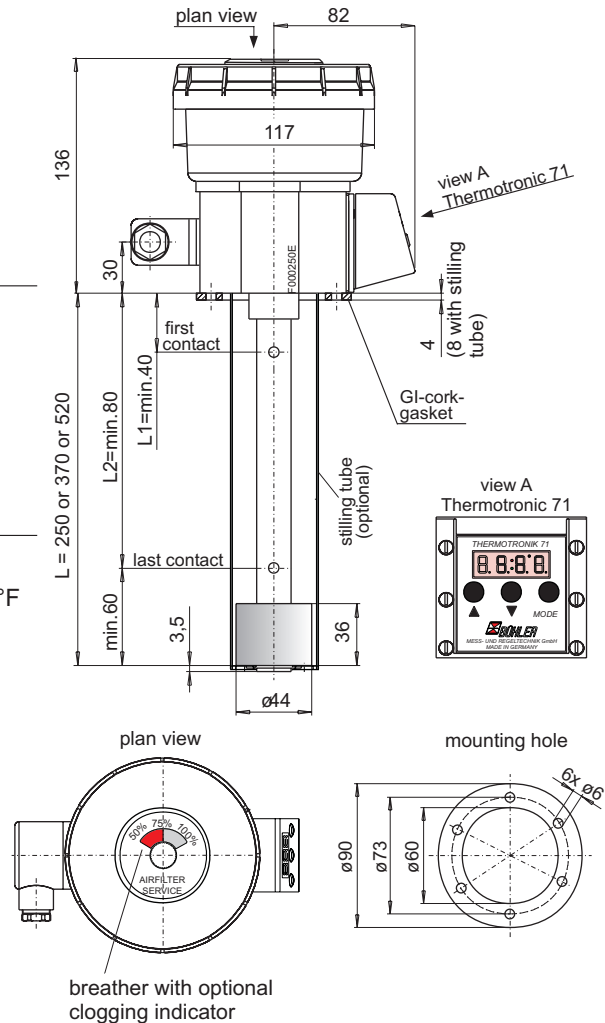
current consumption at power up : about 140 mA for 100 ms
 operating current consumption : approx 30 - 50 mA
 supply voltage : 24 VDC ±10 %
 output : PNP
 ambient temperature : 0 - 70 °C
 accuracy : 1 % of full range
 resolution : 1 °C / 2 °F
 programming : via three touch keys
 temperature sensor : Pt 100

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.



How to select your individual Nivotemp 75

1. Select basic version: display only or with one alarm output or with two alarm outputs.
2. Select for level contacts: type single contact or change over and number, add. requested position L1 - L3 and function NC or NO.
3. Select connector: type of connector determines the possible numbers of level and temperature controls.
4. All: replace L with requested length L by 2 for 250mm, 3 for 370mm, 5 for 520mm.
5. All: replace F by respective figure for required accessories as per table on right hand side.
6. If temperature output shall be pre-set indicate T1 and T2.

Nivotemp 75	level contact ▶	1xNC/NO	2xNC/NO	3xNC/NO	1xchange over
	connector ▼				
display only ▶	S6	1075011LF	1075012LF	1075013LF	1075018LF
	2x M12	1075031LF	1075032LF	-	1075038LF
with one alarm output ▶	S6	1075111LF	1075112LF	-	-
	2x M12	1075131LF	1075132LF	-	-
with two alarm outputs ▶	S6	1075211LF	1075212LF	-	-
	2x M12	1075231LF	1075232LF	-	-

options			
F	stilling tube	clogging indicator	refilling protective -cap
2	No	No	No
3	Yes	No	No
4	No	Yes	No
5	Yes	Yes	No
6	No	No	Yes
7	Yes	No	Yes
8	No	Yes	Yes
9	Yes	Yes	Yes

order example part-no. with additional text: 107511221 ; L1=60 NO, L2=120 NC ; T1=50°C