

Nivovent 75 DC with Thermotronic 71

- Daimler specification -

easyjust



The Nivovent 75 DC featuring the Bühler “easyjust” technology is a compact economic combination of level switch and precise temperature control with LED display. The unit can provide two temperature alarm/switch outputs in addition to two level contacts.

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.

The Nivovent 75DC in the configuration shown overleaf complies with the Daimler requirements. It provides two M12 connector sockets, a temperature display and preset level contacts.

Please note that our programme contains more Daimler specific versions of the Nivotemp and Nivovent series.

- **Combination of breather/filter, level and temperature control**
- **Adjustable alarm outputs for temperature**
- **Cordless, adjustable level contacts**
- **High float sensitivity**
- **Easy installation**
- **Maintenance free (except filter element)**
- **High visibility LED display**
- **Standard length 250, 370 and 520 mm**
- **Clogging indicator**

Technical Data

Operating pressure max. 1 bar
 Operating temperature max. 80 °C
 Spec. gravity of fluid min. 0.8 kg/dm³

Material

Float SK 610 hard PU
 Switch tube brass
 Flange PA
 Breather PA
 Retention rate SM-L (3 µm)

Level contact

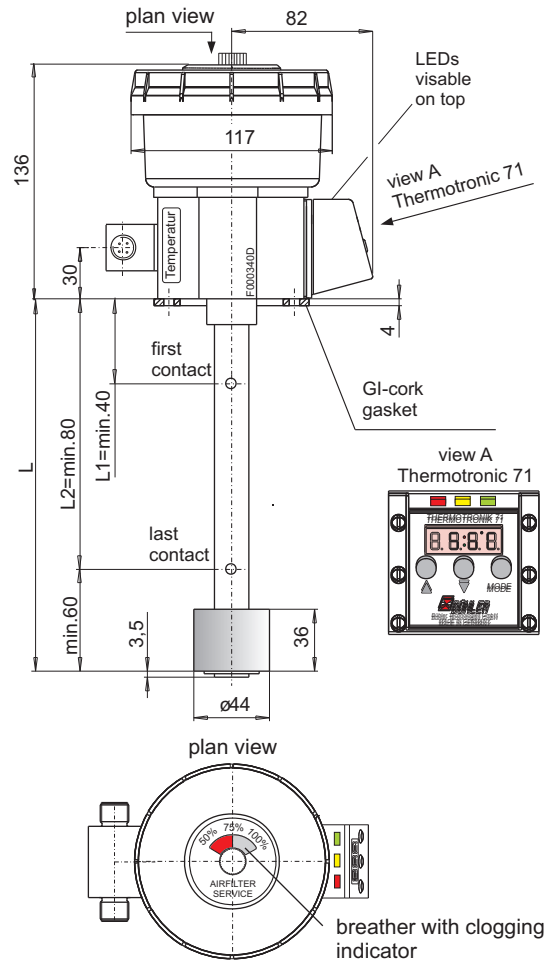
K101 and K102
 Function NC / NO*
 Min. distance between contacts 40 mm
 Max. voltage 24 V
 Max. current 0.5 A
 Max. contact load 10 VA

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

Thermotronic 71

Range of temperature display -20 to +120 °C / 4° to 248 °F
 Range of alarm indication 0 to +99 °C or 32° to 178 °F
 Programmable set points 2
 Material housing PA, IP65
 Display four digit seven segment-LED-display, light emitting diodes for status display

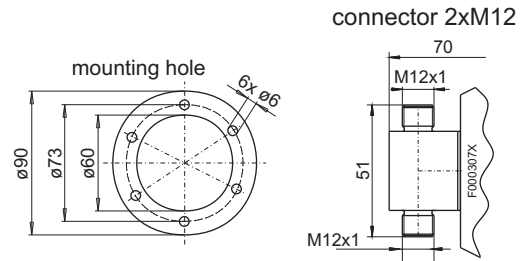
Current consumption at power up about 140 mA for 100 ms
 Operating current consumption approx. 30 - 50 mA
 Supply voltage 24 VDC ±10 %
 Output PNP
 Ambient temperature 0 - 70 °C
 Accuracy 1 % of full range
 Resolution 1 °C / 2 °F
 Programming via three touch keys
 Temperature sensor PT 100



General description of Thermotronic 71

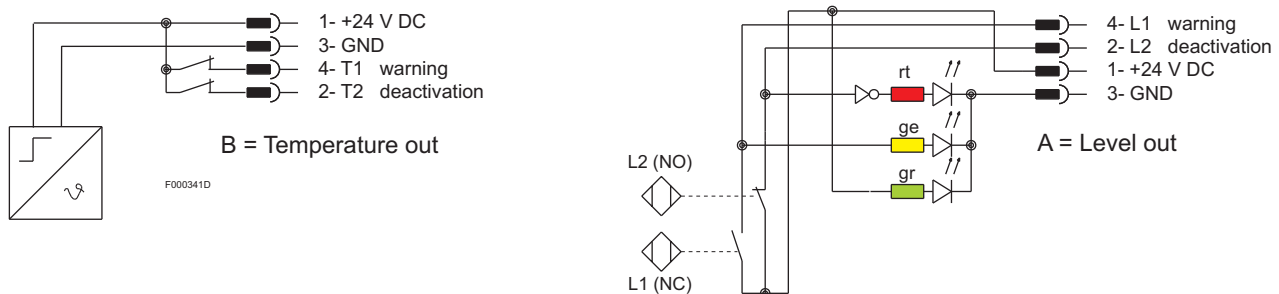
The Thermotronic 71 is a combined microprocessor controlled digital display and control unit for monitoring and stabilizing the operating temperature in fluid power systems.

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 temperature unit can be set to Celsius or Fahrenheit. Programming is by touch keys. The settings are protected against unauthorized operation by key lock.



Wiring Diagram

Normal position: float on top = filled reservoir



Order Information

Nivovent 75 DC

Part-no	Connector	Display	L =	L1=	L2=	Temperature-contact T1	Temperature-contact T2
1075900201	2xM12	yes	250mm	150mm NC *	190mm NO *	50°C / NC *	60°C / NC *
1075900202	2xM12	yes	370mm	150mm NC *	200mm NO *	50°C / NC *	60°C / NC *
1075900203	2xM12	yes	370mm	200mm NC *	300mm NO *	50°C / NC *	60°C / NC *
1075900204	2xM12	yes	520mm	200mm NC *	300mm NO *	50°C / NC *	60°C / NC *

*NC=normally closed / NO=normally open

Accessories

Part No. 9144050018

Connecting cable M12x1 with 1 x 5 pole M12 plug cable length: 3,0m