

Nivovent 75 DC with Thermotronic 71

- Daimler specification -

easyjust



The Nivovent 75 DC featuring the Buhler “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 (RTD) 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 this configuration complies with the Daimler requirements. It provides two M12 connector sockets, a temperature display and preset level contacts.

Please note that our product range 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
9.84”, 14.57” and 20.47”**
- **Clogging indicator**

Technical Data

Max. operating pressure	1 bar (14.5 psi)
Max. operating temperature	80 °C (176 °F)
Min. density of fluid	0.8 kg/dm ³ (0.029 lb/in ³)

Material

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

Level contact

Function	K101 and K102
Min. distance between contacts	NC / NO*
Max. voltage	1.57"
Max. current	24 V
Max. contact load	0.5 A
	10 VA

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

Thermotronic 71

Range of temperature display	4° to 248 °F (-20 to +120 °C)
Alarm indicator range	32° to 178 °F (0 to +99 °C)
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 (32 °F - 158 °F)
Accuracy	1 % of full range
Resolution	2 °F / 1 °C
Programming	3 button key pad
Temperature sensor	PT 100

General description of Thermotronic 71

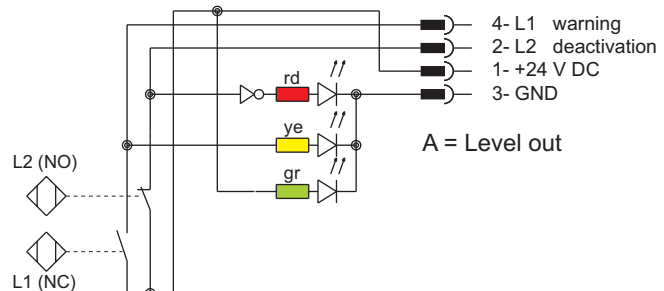
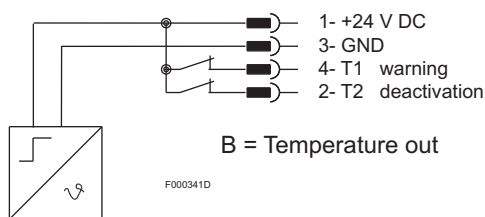
The Thermotronic 71 is a combined microprocessor controlled digital display and control unit for monitoring and stabilizing the operating temperature in fluid power systems.

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 degree Celsius or degree Fahrenheit.

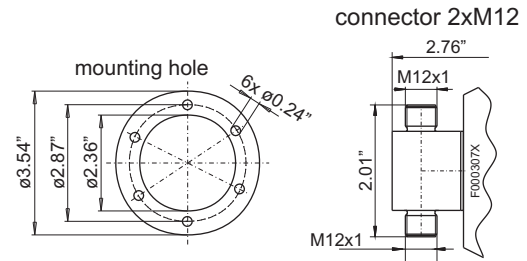
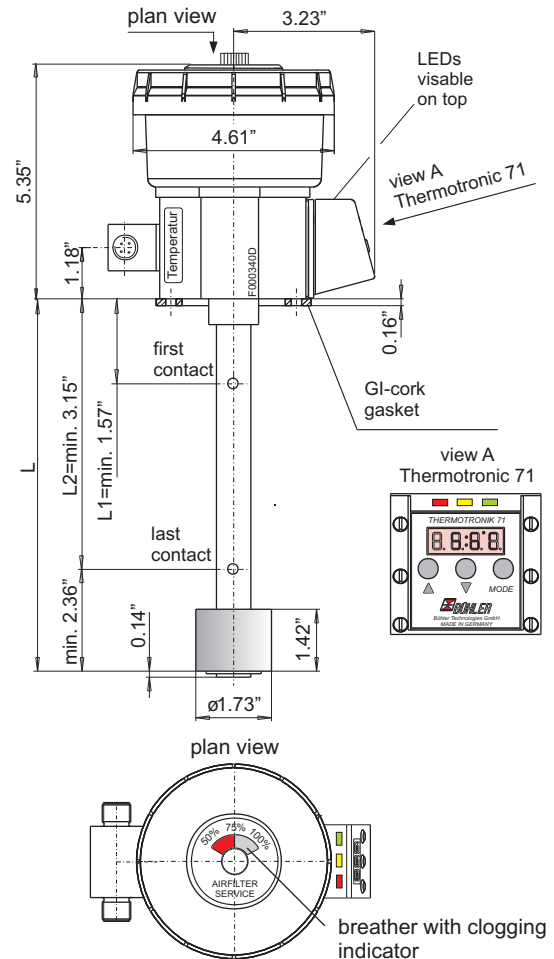
Programming is by touch keys. The settings are protected against unauthorized operation by key lock.

Wiring Diagram

Normal position: float on top = filled reservoir



Dimensions given in inch



Order Information

Nivovent 75 DC

Part-no	Connector	Display	L =	L1=	L2=	Temperature-contact T1	Temperature-contact T2
1075900201	2xM12	yes	9.84"	5.91" NC *	7.48" NO *	122 °F / NC *	140 °F / NC *
1075900202	2xM12	yes	14.6"	5.91" NC *	7.87" NO *	122 °F / NC *	140 °F / NC *
1075900203	2xM12	yes	14.6"	7.87" NC *	11.81" NO *	122 °F / NC *	140 °F / NC *
1075900204	2xM12	yes	20.5"	7.87" NC *	11.81" NO *	122 °F / NC *	140 °F / NC *

*NC=normally closed / NO=normally open

Accessories

Part No. 9144050018

Connecting cable M12x1 with 1 x 5 pole M12 plug cable length: 9.8 ft

we reserve the right to amend specifications