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**Единый адрес:** [beh@nt-rt.ru](mailto:beh@nt-rt.ru) **Веб-сайт:** [www.bhr.nt-rt.ru](http://www.bhr.nt-rt.ru)

## Модифицированные приборы Nivovent 75 RE Buhler

# Nivovent 75 RE with Thermotronic 71



The Nivovent 75 RE 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 75RE in this configuration complies with the Renault requirements. It provides two M12 connector sockets, a temperature display, preset level contacts and a stilling tube.

Please note that our programme contains more Renault 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 and 370 mm**
- **Visual clogging indicator and antifilling device**

## Technical Data

Max. operating pressure	1 bar
Max. operating temperature	80 °C
Min. density of fluid	0.8 kg/dm <sup>3</sup>

### Material:

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

### Level contact                      single contact\*

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

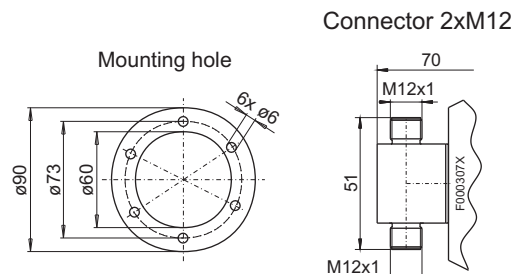
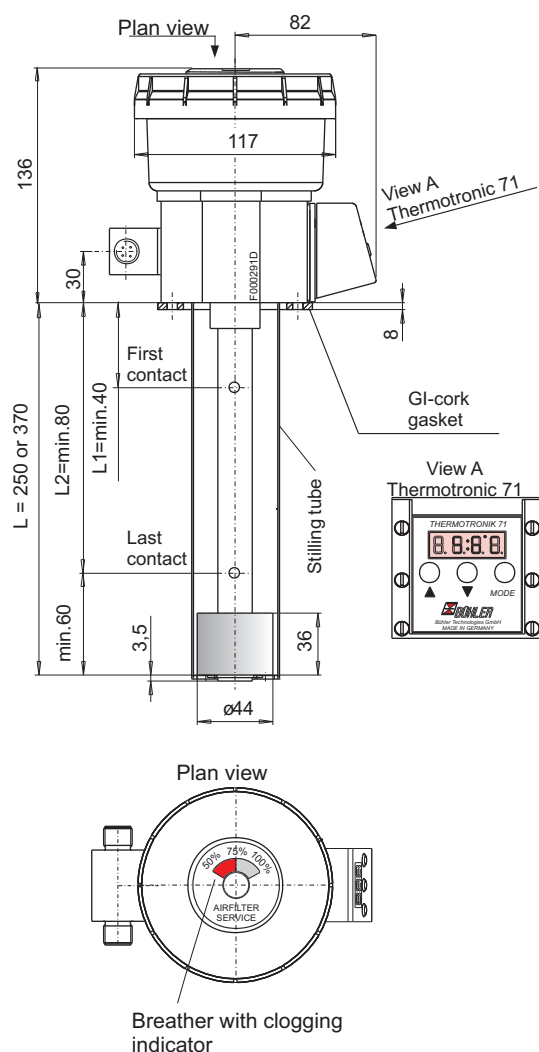
Range of temperature display	from -20 to +120 °C / 4° to 248 °F
Alarm indicator range	0 to +99 °C or 32° to 178 °F
Programmable set points	max. 2
Material housing	PA, IP65
Display	four digit seven segment-LED-display, light emitting diodes for status display
Current consumption at power up	about 140 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	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 value can be set to Celsius or Fahrenheit.

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



## Order Information

### Nivovent 75 RE

Part-no	Connector	Disp-play	L =	L1=	L2=	Temperature-contact T1	Temperature-contact T2	Stilling tube	CI*	Antifilling device
1075900113	2xM12	yes	370	300 NO	no	T1 = 70 PNP	no	yes	yes	yes
1075900118	2xM12	yes	250	200 NO	no	T1 = 70 PNP	no	yes	yes	yes
1075900119	2xM12	yes	370	200 NO	290 NO	T1 = 70 PNP	no	yes	yes	yes
1075900120	2xM12	yes	370	150 NO	190 NO	T1 = 40 PNP	T2 = 70 PNP	yes	yes	yes

\*CI = clogging indicator

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