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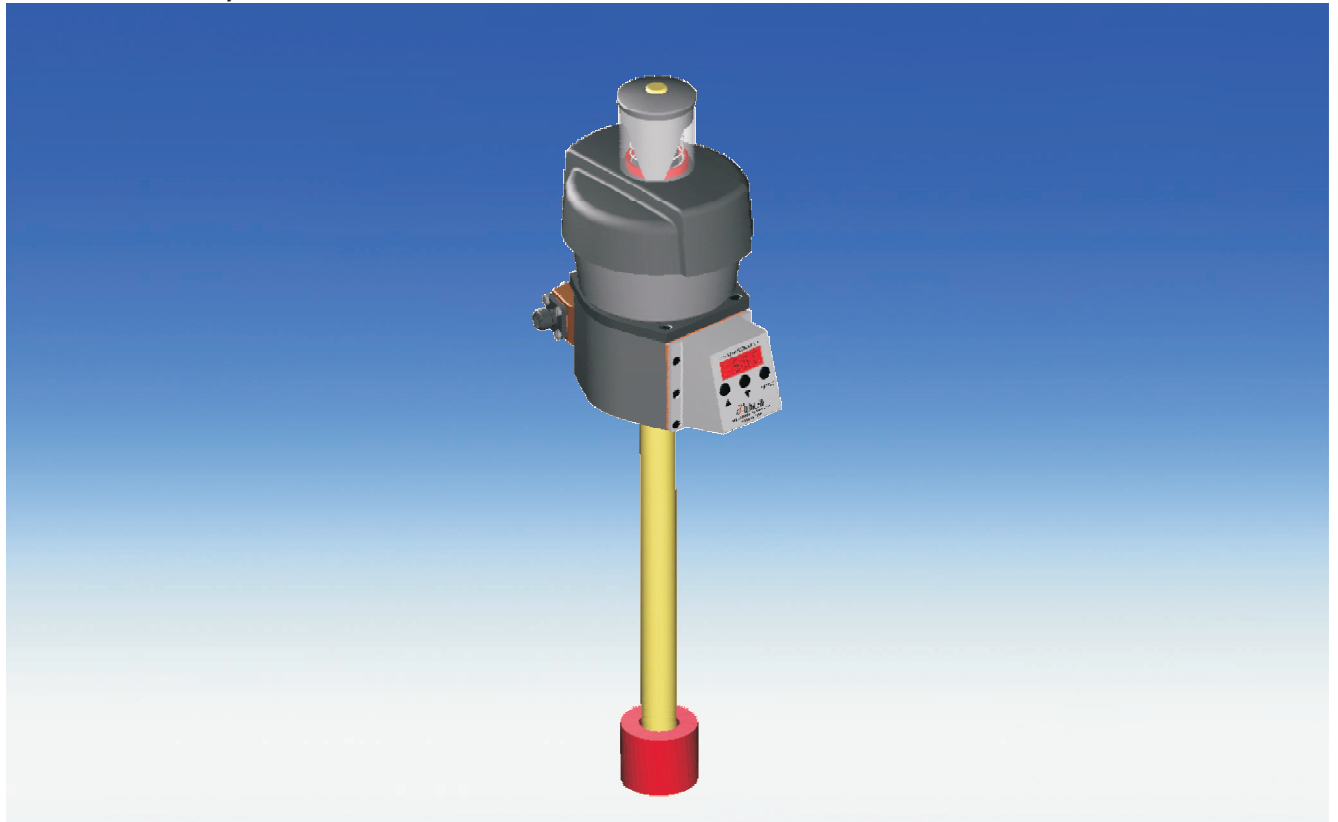
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## Модифицированные приборы Nivovent 85 RE Buhler

# Nivovent 85 RE with Thermotronic 71

- RENAULT specification -

**easyjust**



The Nivotemp 85 RE featuring the Bühler “easyjust” technology is a compact economic combination of level switch and precise temperature control with LED display. The unit provides 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 temperature controls clip directly onto the contact board thus eliminating wiring.

The unit has a DIN 24557 flange for easy installation and a variety of electrical terminations. The device can be easily be replaced or adopted to a variety of applications due to the solderless connection between terminal block and contact board.

The breather/filter type is a Hydac BF 7 / -CNOMO, released by Renault

The Nivovent 85RE in this configuration complies with the Renault requirements. It provides two M12 connector sockets, a temperature display, preset level contacts and a stilling tube. The unit must be completed with an breather filter according to Renaults specs.

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**
- **Standard connectors**
- **Easy installation**
- **Breather/filter = Hydac, Cnomo-norm**
- **High visibility LED display**
- **Standard length 250, 370 mm**

## 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

### 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**

### Breather **Hydac BF 7 / -Nomo**

Display	optic analog vacuum switch (reset by hand)
Indication range	0.35bar=100%
Breather retention rate	3µm
Mounting hole	according to DIN24557/part 2
Accessories	refilling protective cap

### 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	3 button key pad
Temperature sensor	Pt 100

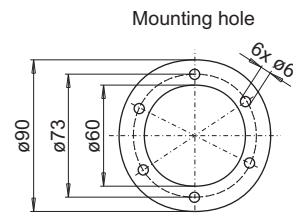
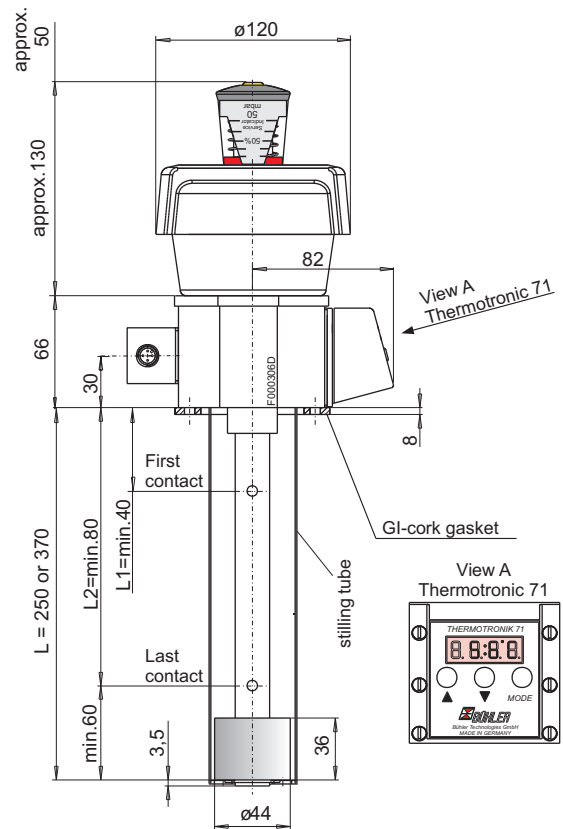
### General Description of Thermotronic 71

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

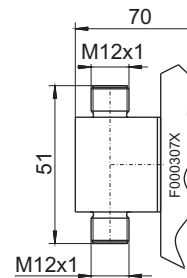
The actual temperature is displayed on a high visibility LED display. The status of the entire unit (output, sensor, broken wire) is indicated by separate LED's. The value can be set to Celsius or Fahrenheit.

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

## Dimensions (mm)



Connector 2x M12



## Order Information

### Nivovent 85 RE

Part-no.	Connector	Display	L =	L1=	L2=	Temperature-contact T1	Temperature-contact T2	Stilling tube
1085900111	2xM12	yes	370	300 NO	no	no	no	yes
1085900113	2xM12	yes	370	300 NO	no	T1 = 70 PNP	no	yes
1085900117	2xM12	yes	250	190 NO	no	no	no	yes
1085900118	2xM12	yes	250	190 NO	no	T1 = 70 PNP	no	yes

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