

Nivovent 85 RE with Thermotronic 71

- RENAULT Specification -

The Nivovent 85 RE with Bühler Easyjust technology is a compact combination of freely selectable breather filter, level monitor and precise temperature measurement and display with up to two adjustable alarm outputs.

The flange hole pattern standardised to DIN 24557, Part 2 allows for easy installation and using a small yet highly buoyant float.

The easyjust system makes setting the level switching points extremely easy. It consists of a galvanically gold-plated contact strip with cm scale which holds the cordless level contacts or the temperature contact and temperature sensor. Contact strip and plug-in contacts have a solderless, easy to disconnect connection for easy replacement or modifications and stocking spare parts.

The configuration of the backside of the Nivovent 85 RE is customised to the requirements of Renault. It features two M12 plug bases, a temperature display, preset contacts, and a stilling tube. Per Renault specifications, this device is fully equipped with an approved breather filter with contamination indicator and filler cap.

Please note, there are other Renault-specific versions of the Nivotemp and Nivovent series.

Combination of air breather, level/temperature monitoring

Adjustable temperature alarm outputs

Wireless, adjustable level contacts

Hydac breather filter per CNOMO norm, hole pattern
DIN 24557, Part 2

Highly visible LED display

Connector standard

Easy installation

Standard length 250 (9.84"), 370 mm (14.57")



Technical Data

Basic unit

| | |
|------------------------|---|
| Operating pressure: | max. 1 bar (14.5 psi) |
| Operating temperature: | max. +80 °C (176 °F) |
| Fluid density | min. 0.8 kg/dm ³ (0.029 lb/in ³) |

Material

| | |
|-----------------|---------|
| SK 610 float: | Hard PU |
| Switching tube: | Brass |
| Flange: | PA |

Level contacts

| | |
|-------------------------|---------------|
| min. contact spacing: | 40 mm (1.57") |
| Max. voltage: | 24 V |
| Max. switching current: | 0.5 A |
| Contact load: | 10 VA |

*NC = NC contact/NO = NO contact, all data with empty tank

Breather filter

Hydac BF 7/-Cnomo

| | |
|-----------------|---|
| Display: | optic analog vacuum display with manual reset |
| Display range: | 0.35 bar (5.08 psi) = 100 % |
| Filter fineness | 3 µm |
| Hole pattern | per DIN 24557/T2 |
| Accessories: | Filler cap |

Thermotronic 71

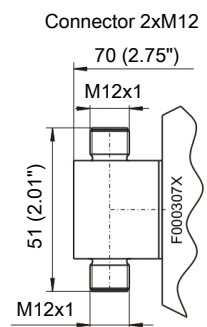
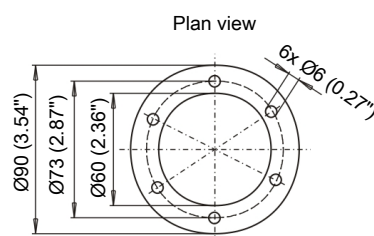
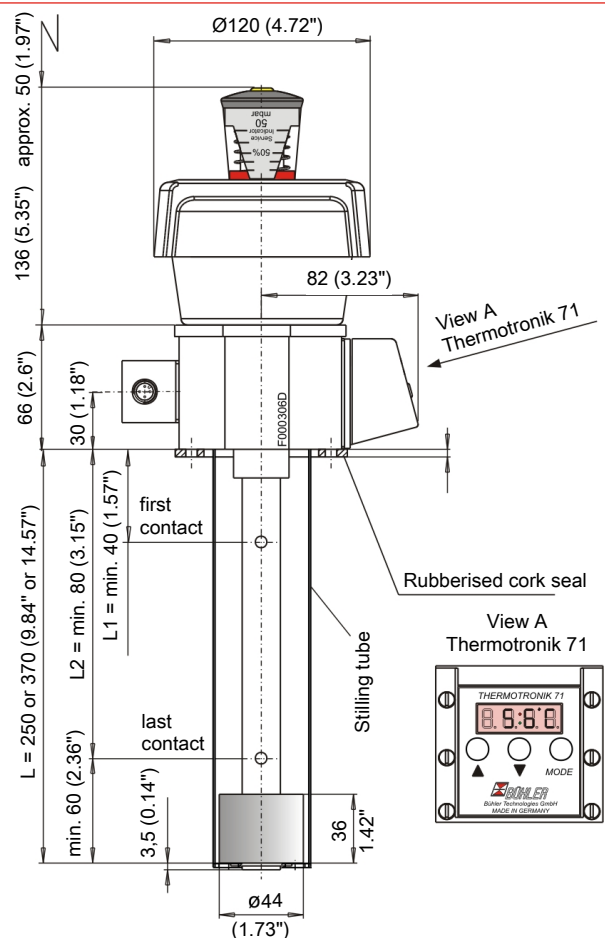
| | |
|---------------------------------|-------------------------------------|
| Temperature display range: | approx. -20 to +120 °C/4° to 248 °F |
| Temperature alarm range: | 0 to +99 °C or 32° to 178 °F |
| Programmable switching points: | max. 2 |
| Housing version: | PA, IP65 |
| Display: | 4-digit seven segment LED display |
| Starting current input: | approx. 140 mA over 100 ms |
| Current input during operation: | approx. 30 - 50 mA |
| Supply voltage: | 24 V DC ± 10% |
| Output: | PNP (NC) |
| Ambient temperature: | 0 °C to +70 °C (32 °F to 158 °F) |
| Accuracy: | 1 % of full range |
| Resolution: | 1 °C/2 °F |
| Operation: | via 3 keys |
| Temperature sensor: | Pt100 |

General Description of Thermotronic 71

The Thermotronic 71 is a combined microprocessor controlled temperature display and control unit with one input for Pt100 temperature sensors. The temperature is displayed on a four digit, seven segment LED display. The device also indicates a sensor defect or cable break on the display.

The Thermotronic 71 is programmed via three buttons on the front panel. The settings are protected against unauthorized operation by key lock

Dimensions



Ordering Instructions

| Item no. | Plug | Display | Length (L) | L1 = | L2 = | Temperature contact T1 | Temperature contact T2 | Stilling tube |
|------------|-------|---------|------------|--------|-------|------------------------|------------------------|---------------|
| 1085900111 | 2xM12 | Yes | 14.57" | 11.81" | NO No | No | No | Yes |
| 1085900113 | 2xM12 | Yes | 14.57" | 11.81" | NO No | T1 = 158 °F PNP (NC) | No | Yes |
| 1085900117 | 2xM12 | Yes | 9.84" | 7.48" | NO No | No | No | Yes |
| 1085900118 | 2xM12 | Yes | 9.84" | 7.48" | NO No | T1 = 158 °F PNP (NC) | No | Yes |