

Nivovent 75 RE with Thermotronik 71

- RENAULT Specification -

The Nivovent 75 RE with Bühler Easyjust technology is a compact combination of 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 75 RE is customised to the requirements of Renault. It features two M12 plug bases, a temperature display, preset contacts, and a stilling tube.

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

Service indicator in filter cover and filler cap

Replaceable filter elements with qualified retention rate

Highly visible LED display

Connector standard

Easy installation



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 in)
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

Thermotronic 71

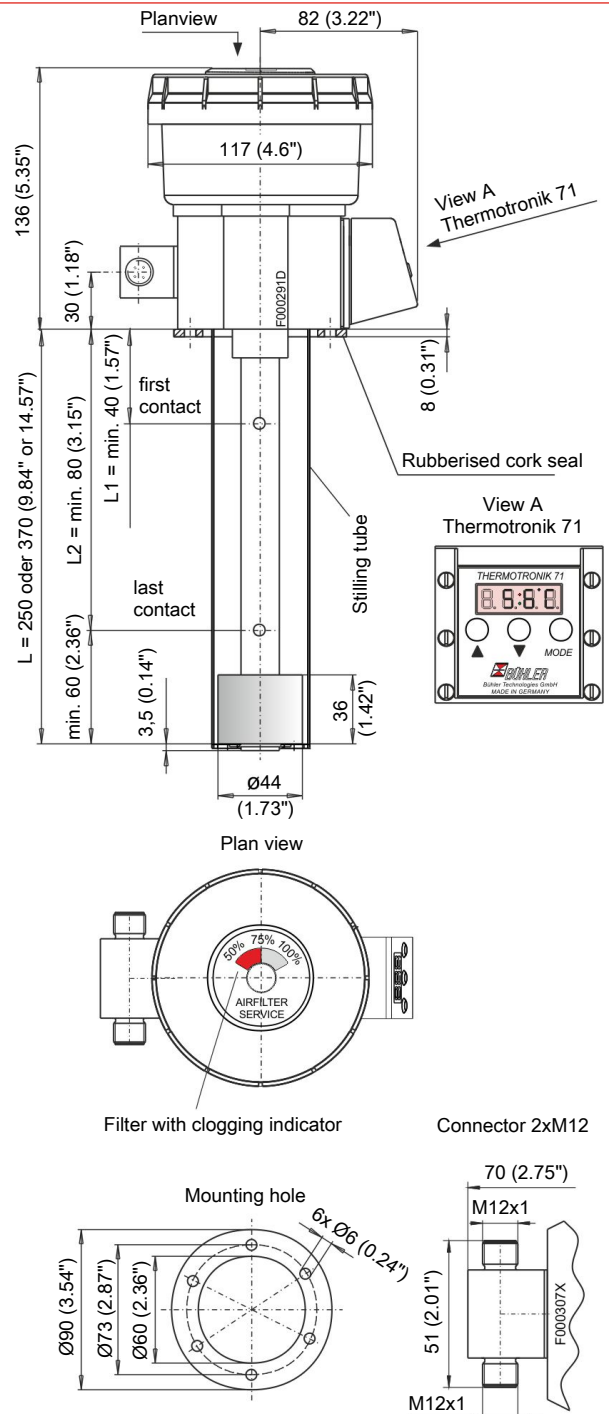
Temperature display range:	approx. -20 to +120 °C/4° to 248 °F
Temperature alarm range:	0 to +99 °C or 32° to 178 °F
Programmable switching points:	max. 2
Housing version:	PA, IP65
Display:	4-digit seven segment LED display
Starting current input:	approx. 140 mA over 100 ms
Current input during operation:	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 VA* tube	Filler cap
1075900113	2xM12	Yes	14.57"	11.81"	NO No	T1 = 158 °F PNP (NC)	No	Yes Yes	Yes
1075900118	2xM12	Yes	9.84"	7.87"	NO No	T1 = 158 °F PNP (NC)	No	Yes Yes	Yes
1075900119	2xM12	Yes	14.57"	7.87"	NO 11.42"	T1 = 158 °F PNP (NC)	No	Yes Yes	Yes
1075900120	2xM12	Yes	14.57"	5.91"	NO 7.48"	T1 = 104 °F PNP (NC)	T2 = 158 °F PNP (NC)	Yes Yes	Yes

*VA = contamination indicator in filter cover