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/dm³

**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**

<table>
<thead>
<tr>
<th>Part-no</th>
<th>Connector</th>
<th>Display</th>
<th>L =</th>
<th>L1=</th>
<th>L2=</th>
<th>Temperature-contact T1</th>
<th>Temperature-contact T2</th>
<th>Stilling tube</th>
<th>CI*</th>
<th>Antifilling device</th>
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</table>

*CI = clogging indicator*