The Nivotemp 85 RE featuring the Buhler “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 (RTD) 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 is easily 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 Renault requirements. It provides two M12 connector sockets, a temperature display, preset level contacts and a stilling tube. The unit must be completed with a breather filter according to Renault’s specs. Please note that our product range 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-Standard
- High visibility LED display
- Standard length 9.84”, 14.57”
**Technical Data**

Max. operating pressure 1 bar (14.5 psi)
Max. operating temperature 80 °C (176 °F)
Min. density of fluid 0.029 lb/in³

**Material:**
- Float SK 610: hard PU
- Switch tube: brass
- Flange: PA

**Level contact**
- Single contact*
  - Min. distance between contacts: 1.57”
  - 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 / -CNOMO
  - Display: optic analog vacuum switch (reset by hand)
  - Indication range: 5.08 psi = 100%
  - Breather retention rate: 3µm
  - Mounting hole: according to DIN24557/part 2
  - Accessories: refilling protective cap

**Thermotronic 71**
- Range of temperature display: from 4° to 248 °F (or -20 to +120 °C)
- Alarm indicator range: 32° to 178 °F (or 0 to +99 °C)
- 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 (32 - 158 °F)
- Accuracy: 1 % of full range
- Resolution: 2 °F / 1 °C
- 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 85 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>
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<td>11.81&quot; NO*</td>
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<td>11.81&quot; NO*</td>
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<tr>
<td>1085900118</td>
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<td>T1 = 158 °F PNP</td>
<td>not available</td>
<td>yes</td>
</tr>
</tbody>
</table>

*NO = normally closed