Systematic oil care is of great importance to operators of fluid power and lubrication systems who wish to minimize maintenance costs and optimize the durability of both the oil and system components. Checking both cleanliness and chemical composition is made easier by having a dedicated sampling port. Topping up the system through a dedicated G1/2 port fitted with a quick release coupling ensures cleanliness and facilitates the use of filter carts. By incorporating the above features with a level control, temperature control and breather filter with condition indicator, BÜHLER has designed an integrated solution giving cost savings on installation and tank apertures. It should be noted that the filler port is totally isolated from the float tube in order to prevent incorrect level readings whilst filling/topping up.

The fluidcontrolterminal FC-T G1/2-75-DC 75DC in this configuration complies with the Daimler requirements. It provides two M12 connector sockets, a temperature display and preset level contacts. Please note that our programme contains more Daimler specific versions of the Nivotemp and Nivovent series.

- Level controls
- Temperature controls
- DIN - flange
- Filling port G1/2
- 3 µm breather filter including fill prevention insert
- Clogging indicator
- Compact dimensions
- Easy installation
Technical Data

- Operating pressure max.: 1 bar
- Operating temperature max.: 80 °C
- Spec. gravity of fluid min.: 0.8 kg/dm³

Material
- Float SK 610: hard PU
- Switch tube: brass
- Stilling tube: brass
- Flange: galvanised steel
- Breather: PA
- Filter element (retention rate): SM-L (3 µm)

Level contact
- K101 and K102
- Function: NC / NO*
- 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
- Range of alarm indication: 0 to +99 °C or 32° to 178 °F
- Programmable set points: 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

Order Information

<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>
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<tbody>
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<td>2xM12</td>
<td>yes</td>
<td>250 mm</td>
<td>150 mm NC *</td>
<td>190 mm NO *</td>
<td>50 °C / NC *</td>
<td>60 °C / NC *</td>
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*NC = normally closed / NO = normally open

Wiring Diagram

- Normal position: float on top = filled reservoir
- B = Temperature out
- A = Level out

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We reserve the right to amend specifications.