



**Alarm box 0554 6722
for testo 6721 pressure dewpoint monitor**

Instruction manual



Safety and the environment

About this document

- Please read this documentation through carefully and familiarize yourself with the product before putting it to use. Keep this document to hand so that you can refer to it when necessary. Hand this documentation on to any subsequent users of the product.
- Pay particular attention to information emphasized by the following symbols:



With the signal word **Caution!**:

Warns against hazards which could result in minor physical injury or damage to equipment if the precautionary measures indicated are not taken.



Important.

Avoiding personal injury / damage to equipment

- Never store the product together with solvents and do not use any dessicants.
- Only operate the product properly, for its intended purpose and within the parameters specified in the technical data. Do not use force.
- Only carry out the maintenance and repair work that is described in the documentation. Follow the prescribed steps when doing so. Use only OEM spare parts from Testo.

Protecting the environment

- Send the product back to Testo at the end of its useful life. We will ensure that it is disposed of in an environmentally friendly manner.

Specifications

Functions and use

The alarm box (art. no. 0554 6722) is to be connected to the testo 6721 pressure dewpoint monitor and enhances it with the functions:

- Display of the alarm statuses via two 2-colour LEDs:
no alarm/pre-alarm/alarm

LED	LIMIT 2/alarm	LIMIT 1
No alarm	green	green
Pre-alarm	green	red
Main alarm	red	red

- Integrated mains unit for supplying testo 6721 with 24 V DC

Technical data

Supply

- Mains voltage: 100...250 V AC 50/60 Hz (long range)
- Nominal output 9 W
- testo 6721/22 supply voltage: 24 V DC, 150 mA

- Ambient temperature: 0...50°C / 32...122°F
- Dimensions: 120 x 90 x 50 mm
- Weight: 225 g

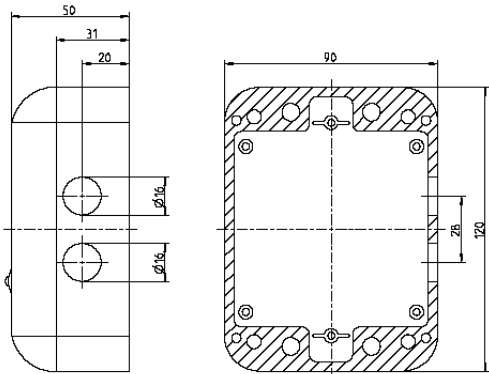
Directives, standards and tests

- EC Directive: 2014/30/EC

Other instrument data

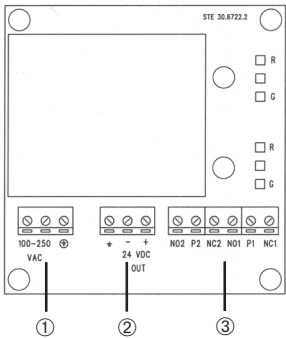
- Housing: ABS grey 120x90x50 mm with 2 cable couplings M16x1.5
- 2 x LED 5 mm two-colour (red/green)
- Screw terminals, max 1.5 mm² wire range
- 8-wire line required for connection (e.g. 0554 6720)

Dimensions



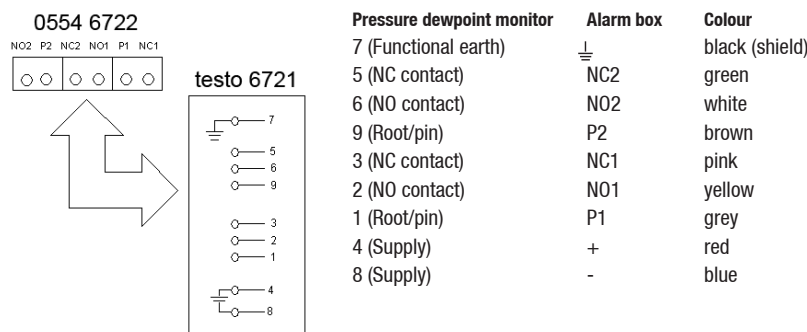
Commissioning

Electrical connection

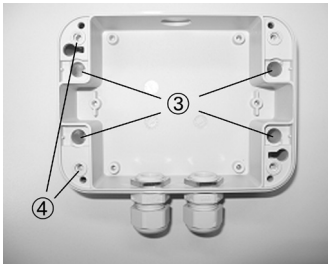
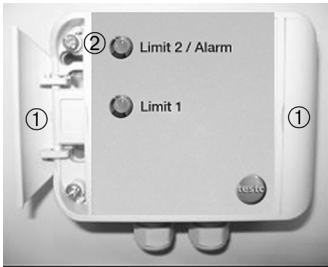


- ① Mains voltage connection:
100 - 250 V AC + PE
- ② Connection for supply voltage to testo 6721:
24 V DC 150 mA,
+ at contact 4 (red)
- at contact 8 (blue)
≡ Functional earth to shield (black)
- ③ Connection for switch contacts of testo 6721, see below for details

Pressure dewpoint monitor / alarm box terminal assignment



Assembly and wiring



- 1 Open left and right side covers ①.
- 2 Loosen the 4 screws ②.
- 3 Remove the housing cover.
- 4 Fasten bottom part of housing to the wall using 4 screws ③.
- 5 Lead control line for testo 6721 through the screw connections and connect as described above (use suitable connector sleeves).
- 6 Lead through and connect mains cable (100 - 250 V AC, 50/60 Hz) (not supplied).
Recommended wire: 3 x 1 mm² (L1, N, PE)
Type NYMHYV
- Connect protective conductor to the intended terminal (use suitable connector sleeves).



Caution! Damage of pressure dewpoint monitor!

-Operate Alarm box only with connected protective conductor.

- 7 Replace the housing cover.
 - 8 Screw on housing cover and close side covers.
 - 9 Tighten cable couplings.
- i** Two fastening pins are supplied. The housing cover can be fastened using these to prevent it from falling off when opened. As required: Insert the fastening pins in two of the bores (at left ④, right, top or bottom) of the cover and the bottom part.

Function test

The switches of the testo 6721 can be simulated using wire jumpers:

- Connection of P1 with NO1 as test for alarm 1 (LED Limit 1: red)
- Connection of P2 with NO2 as test for alarm 2 (LED Limit 2: red)

Alternatively, a test using the P2A software is suggested, see testo 6721 instruction manual.

i Select the power supply in such a way that it switches the alarm unit to potential-free on all terminals via a suitable disconnection system (emergency OFF). The disconnection system must be positioned close to the alarm box, be easily recognizable and be marked as a disconnection system.

Select the installation site so that this does not influence the function of the disconnection system.

Also please ensure that the operation of the instrument is protected with suitable current overload protection systems (fuses).

Maintaining the product

Cleaning the alarm box

If dirty, clean the housing of the measuring instrument with a damp cloth.

Do not use any aggressive cleaning products or solvents! Weak household detergents or soap solutions can be used.



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