

Boiler water low level alarm

WMS 2-1/3-1 – electronic



- For protection of the boiler when the water level is too low
- Electronic version with visual alarm and power outage lock.
- TÜV-tested as a water level switch.
- Direct mounting via welding socket



Application For sealed heating systems to protect the boiler as per EN 12828 and VdTÜV sheet "Water Level 100" (edition 07, 2006) in the case of low water levels.

Description This self-monitoring electronic boiler water low level alarm with integrated power outage lock operates on the basis of the conductivity principle (resonant circuit). Consisting of control unit in wall mounting housing with test and unlock buttons, visual alarm, angled probe with welding sockets, electrode and electrode test facility. TÜV-tested as a water level switch.

If the water level in the boiler drops below a minimum level, the electrode is no longer submerged. The electronic system de-energises a relay which switches off the power supply for the burner and activates the alarm lamp. The electrical locking mechanism keeps the burner from switching back on automatically. The test button allows you to simulate a low water alarm condition.

Version WMS 3-1 for external power outage lock.

Technical specifications

Operating temperature range

Medium: Max. 120 °C
Ambient: 0/55 °C

Supply voltage

AC 230 V

Switching output

Relay contact: 1 x changeover contact
Contact rating: AC 250 V, 2 A

Housing control unit

Wall mounting housing made of impact-resistant plastic (ABS)
W x H x D: 100 x 188 x 65 mm
Degree of protection: IP 40 (EN 60529)

Housing probe

Probe body: Cast brass
Housing: Thermoplast GV
Electrode rod: Stainless steel 1.4571
Degree of protection: IP 54 (EN 60529)

Probe cable

H0 5 RN-F 2 x 1 mm²; length: 1.5 m

Connection

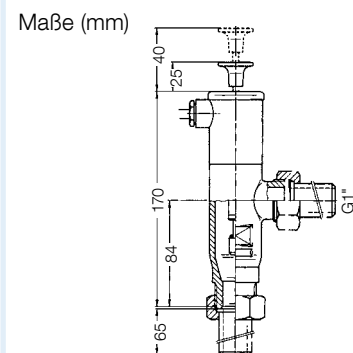
Welding sockets, steel, DN 20
W x H x D 130 x 270 x 44 mm

Pressure range: Max. 10 bar

Probe voltage: Max. 12 V

Mark of conformity

WMS 2-1: TÜV HWB 14-345
WMS 3-1: TÜV HWB 14-348



According to EN 12828, sealed heating systems with capacities of more than 300 kW must be equipped with a TÜV-tested boiler water low level alarm.

DG: G, PG: 2			Part no.	Price €
WMS 2-1 , brass with welding socket DN 20	1	5	42351	
WMS 3-1 , brass with welding socket DN 20	1	5	42352	
Spare parts				
Control unit for WMS 2-1	1	1	42356	
Control unit for WMS 3-1	1	1	42357	
Probe WMS brass with welding socket DN 20	1	1	42362	