



# DLT2 Continuous Water Level Transmitter



## Application and function

Manufacture in accordance with: EC Directive 97/23/EC

applied standards: DIN EN 12952-11, DIN EN 12953- 9, DIN EN 61508 -1/ -2/ -3  
DIN EN 61326-1, DIN EN 61326-3-2 DIN EN 61010-1

Other Technical Regulations: Water level 100 dated February 2010

Supply voltage: 230V AC (-15% +10%), 50/60Hz

Power consumption: 3VA

Data exchange: digital measurement value output

Electrical connection: 12-pole Screw terminal strip

Protection class IP40 in accordance with DIN EN 60529  
(protection class IP54 is to be ensured in the boiler area)

Device fuse: 63 mA/T

Allowable ambient temperature: 0° C to 55° C

Supply voltage probe: short-circuit-proof, 24V / 2W

Self-test every 3sec

Service life probe: The service life of the probe depends on the operating conditions and state of the boiler water.

The total length of lead: max. 100m.

Electrical conductivity of the liquid: 0.5  $\mu\text{S}/\text{cm} \leq \rho \leq$

10,000  $\mu\text{S}/\text{cm}$

Power interface	Output current	4 mA .. 20 mA galv. Isolated
	Load	max. 150 $\Omega$
Extra relay*	Switching voltage	max. 250 V AC
	Switching current	max. 4 A resistive
		max. 0.75 A inductive $\cos \phi$ 0.5

\*During switching operations the load profile of the relay is to be observed! For large loads: use contactor!  
Relay used: Schrack V23092-A1024-A301



## Assembly and Installation

The device is supplied in a plastic plug-in housing for fitting into switch cabinets. The housing is designed for quick fitting with a spring catch for the DIN EN 50022 standard 35 mm carrier rail and for screw fixing on a mounting plate.

