

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: $0.5 \mu \text{S/cm} \le \alpha \le 10.5 \mu \text{S/cm} \le 10.5 \mu \text{S/cm$

 $10,000 \ \mu S/cm$

	Output current	4 mA 20 mA
Power interface		galv. Isolated
	Load	max. 150 Ω
Extra relay*	Switching voltage	max. 250 V AC
	Switching current	max. 4 A resistive
		max. 0.75 A inductive cos ϕ 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

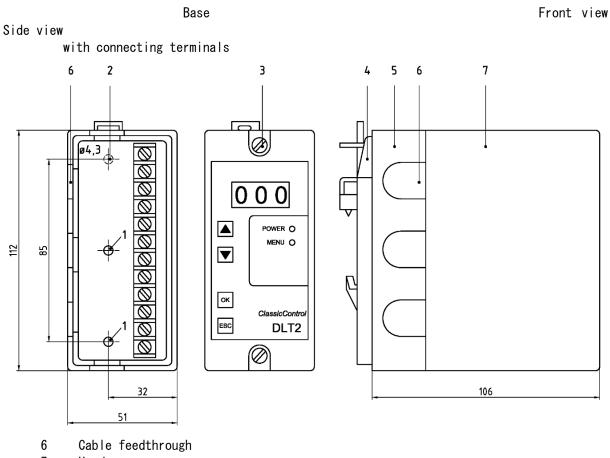


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Assembly and Installation

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.



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