

Continuous level transmitter

DLT2 *(without overfill protection)* / DLT3 *(with overfill protection)*

Application and function

The continuous level transmitters form a level control system with a continuous measuring probe. The output current is 4...20 mA and is proportional to the fill level. The product fulfils the requirements of EU Directive 2014/68/EU (PED). The DLT2 / DLT3 level transmitters work in conjunction with level probes on the basis of the capacitive level measurement method. The capacitive measuring method enables the continuous determination of the fill level. The pre-stored limit values for 0% and 100% define the range for calculating the current level. After scaling, the current value is converted into an analogue signal for output to the standard 4...20 mA current interface.

Error signalling:

If an internal fault occurs in the device, the relay opens and the 4...20mA output returns to 0mA. This enables a warning message.

Display of overfilling (Version DLT3):

If a programmed fill level is exceeded, the relay opens and thus enables the realisation of an overfill protection.



DLT2



DLT3

Technical basic equipment

- DLT2 / DLT3 in plastic plug-in housing for installation in switch cabinets
- Quick fastening with spring catch on standard 35 mm mounting rail to DIN EN 50022 or screw fastening on mounting plate

Optional versions

- Marine application within the scope of DNV, LR and CCS

Version 05/2024
Subject to technical changes.

Technical data

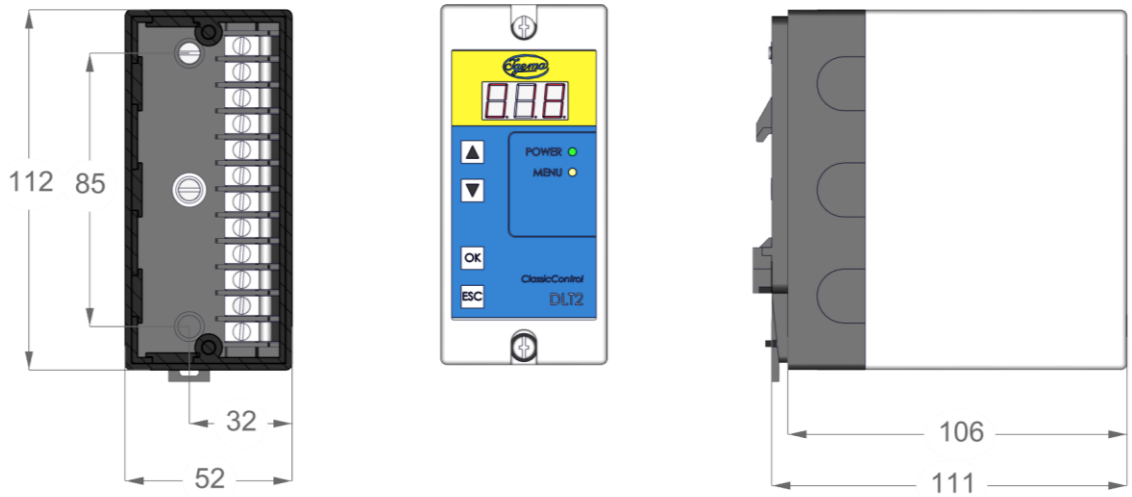
Mains connection		230V / 50-60 Hz	
Power interface	Output current	4…20mA	
	Load	500 Ω	
Limit / additional relay[1)]	Switching voltage (max)	250 VAC	24VDC
	Switching current	4 A ohmsch	4 A
Power consumption		5,0 VA	
Device fuse		63 mA/T	
Protection type according to DIN EN 60529		IP40 [2)]	
Permissible ambient temperature		0 – 55°C	
Length of the connecting cable		max. 250 m	

[1)] A contactor must be used for inductive / larger loads
[2)] In accordance with EN 12953-9 // EN 12952-11, 4.3.4, protection class IP54 must be ensured in the boiler area. Switch cabinet installation is therefore required.

Probes

perm. pressure **[PS]**	perm. temperature **[TS]**	Probe for use with the DLT2 / DLT3		Connection	Electrode length Y
32 bar 464 psig	237°C 458°F	EC8 EC8-M EC8-B		G $^1/_2$" *(G $^3/_4$" at EC8-B)*	150mm up to 2070mm
		Data sheet: D-08-D-50958-EN			

Dimensions and sizes



Dimensions illustrated using the example of the DLT2

Digital documentation

Direct download

Product page on the Internet

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Version 05/2024