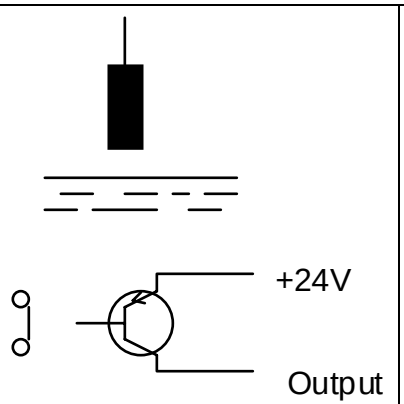
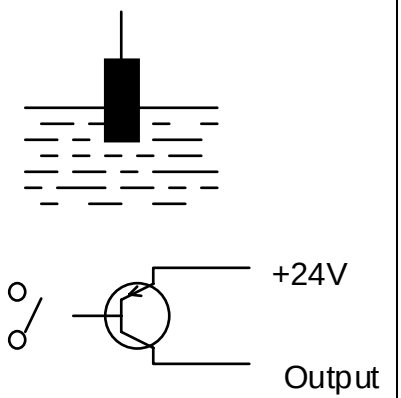
Capacitance Level Sensor
for two levels
V-25-80/120

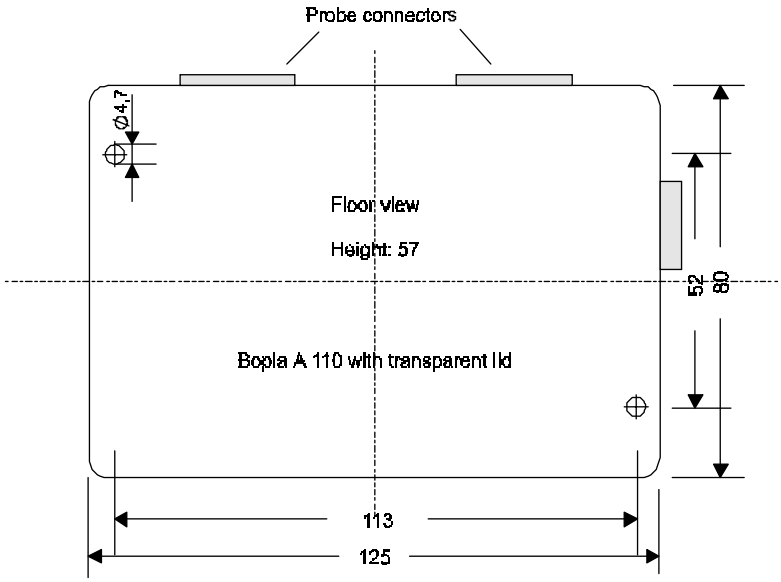
CE

Level control for:

- waxes
- granulates
- paints
- hot-melt adhesives
- chemicals

Type **Technical data**	**V-25-80/120**	
Nominal voltage	15-30V/DC	
Nominal current	40 mA	
Switching frequency	≤ 5 Hz	
Output current	max. 1A, short circuit proof	
Pin arrangement	4-pin connector Pin 1 = + 24V/DC **white** Pin 2 = PNP - output, probe 2 – safety level **brown** Pin 3 = GND - reference potential **green** Pin 4 = PNP - output, probe 1 – working level **yellow** screen and housing - **ground**	
Connecting cables	4 X 0,34mm² + sreen / L=1m with plug	
Housing material	Aluminium	
Permissable ambient temperature	0°C to +80°C	
Type of protection	IP 64 / EN 40050	
Outputs (Outputs 1 and 2 have the same switching characteristics)		
LED-display	Probe 1: **yellow** LED flashes Probe 2: **red** LED out	Probe 1: **green** LED on Probe 2: **red** LED on
Type of probe	F3S...	

Dimensions:



Operating Manual:

Mounting Instructions
The pin configuration is to be strictly adhered to. The device is only to be operated with the voltage entered on the rating plane. Screened cables are to be used as connecting cables. The screening is to be singly earthed. The connecting cable is not to be laid parallel to the driving cables.

Operation
The capacitive level sensor reacts to solid and liquid materials in connection with the probes (F3S...) and a partinent permittivity alteration takes place. Two levels can be simultaneously controlled by using two probes.
During setting, the connected probes must be free of the medium which is to be called up. The sensitivity of both probes can be regulated by potentiometers (see adjustment regula-tions). Should the device be defect, then the outputs can adopt any state.

Maintenance
The device is maintenance-free. Devices are only to be manufactured or overhauled by the manufacturer.

General
The pertinent EU and national regulations are to be taken into account during the mounting and operating of the capacitive level sensors, V-25-80/120. Our devices are of a high technical quality. We reserve the right to make technical alterations which are designed to meet technical progress.

Standards Met
EN 50081-1; EN 50081-2
EN 50082-1; EN 50082-2

EU Guidelines
89/336/EWG; 92/31/EWG; 93/68/EWG

Tippkemper Elektronik GmbH & Co KG
Zum Kreuzweg 12 D-59302 Oelde Tel. +49 (0) 25 29 / 93 01-50 Fax. +49 (0) 25 29 / 93 01-49