PRODUCT SHEET
LEVEL CONTROLLER – DC-LC-110

- Transfer Lines
- Conditioning Equipment
- Components
- Filling Stations
- Controlling
  - DC-LC-110
  - DC-LS-50
  - DC-O2-100

The DC-LC-110 is an easy-to-mount, weatherproof level controller, developed especially for controlling levels of cold stored liquid gases in closed containers like storage tanks, dewars and phase separators. This DC-LC-110 level controller is an ideal add-on to our DC-LS-50 level sensor with an easy-to-read LED display. Our DC-LC-110 level controller compares any analogue input (4-20mA or 0-10VDC) with a free adjustable preset value. Depending on its preset control function (2-state or continuous), the level controller sets relays or generates an analogue output signal to activate components like valves oralarms. With additional available option boards, extension of functionality or communication by means of PROFIBUS or RS422/485 is possible.

BENEFITS

Easy to operate

Universal design set-up

Spare parts available worldwide

FEATURES

Weatherproof casing with transparent cover

Ingress protection IP65

Main switch two-pole design

Double-fused

Integrated power supply for 110/230VAC to 24VDC

Full digital controller by Jumo

2-state or continuous controlling

1 Integrated output relay

1 Integrated alarm output relay

APPLICATION

The DC-LC-110 is used to measure, display, validate and control actions on preset levels for:

- Level
- Pressure
- Temperature
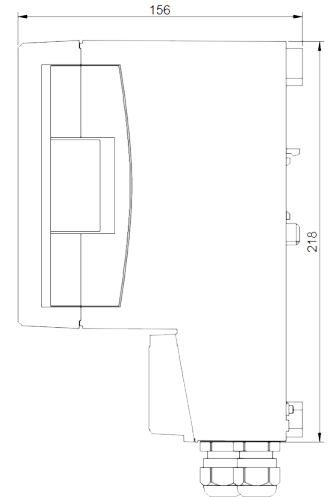- Other external signals

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TECHNICAL DATA		DC-LC-110
Dimension casing	280x218x156mm (LxHxD)	
Material casing	ABS	
Material transp. cover	Polycarbonate	
Power supply	110/240VAC 48-63Hz	
Power output	24VDC	
Ingress protection	IP65	
Measuring input signal	0-20mA/4-20mA or 0-10VDC	
Output alarm relay	Voltage free changeover relay NO, max. 3A at 230VAC	
Output relay On/Off	Voltage free changeover relay NO, max. 3A at 230VAC	
Output analog	0-20mA / 4-20mA $R_{load}<500Ω$	
Power cable	L=5 meter with Type F plug	

STANDARD STOCK MODELS
Open/Close control

Open/Close control for PT100 overflow protection

Analogue control

Analogue control with overflow protection

OPTION BOARDS
Changeover relay

Analogue output

2 binary inputs

Solid-state relay 1A

RS422/485 Interface

Profibus-DP interface

DOCUMENTATION
User manuals

→ www.demaco.nl

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