PRODUCT SHEET
LEVEL CONTROLLER - DC-LC-110

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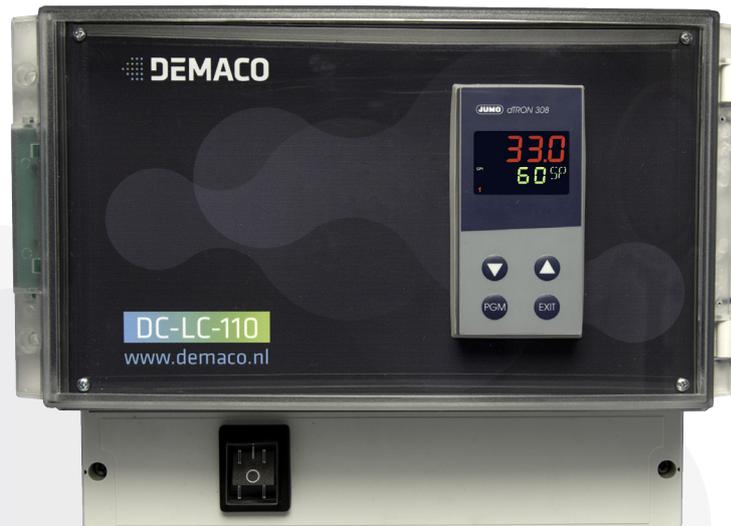- Components
- Filling Stations
- Controlling
  - DC-LC-110
  - DC-LS-50
  - DC-O2-100

The DC-LC-110 is an easy to mount, weatherproof level controller, especially developed 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 analog input (4-20mA or 0-10VDC) with a free adjustable pre-set value. Depending on its pre-set control function (2-state or continuous), the level controller sets relays or generate an analog output signal to activate components like valves or alarms. 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

Worldwide available spare parts

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 pre-set levels for:

- Level

- Pressure

- Temperature

- Other external signals

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PRODUCT SHEET
LEVEL CONTROLLER - DC-LC-110

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 $R_{load}<500\Omega$	
Power cable	L=5 meter with Type F plug	

STANDARD STOCK MODELS

Open/Close control

Open/Close control for PT100 overflow protection

Analog control

Analog control with overflow protection

OPTION BOARDS

Changeover relay

Analog output

2 binary inputs

Solid-state relay 1A

RS422/485 Interface

Profibus-DP interface

DOCUMENTATION

User manuals

→ www.demaco.nl

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