

LT 200 and pressure transmitter



TM05 6467 4912

Increase the reliability of your pump controllers

The LT 200 is designed to work with all traditional LC, LCD controllers from Grundfos. The unit is connected to a pressure transmitter which is placed on the pit bottom. The pressure transmitter converts the analog signal to four digital signals for indication of level.

If the pit is cleaned regularly, we recommend placing the transmitter in a tube for protection. The transmitter cable is equipped with strain relief and two ventilation tubes. The tubes must not be closed off/obstructed, as the liquid pressure above the transmitter is measured in relation to the ambient air pressure. Use a junction box with venting if the cable is to be extended.

The unit has an LED display which shows the actual water level above the transmitter.

The required start/stop and alarm levels can be set on the controller by means of a simple, intuitive menu structure. It is therefore not necessary to access the sump or fish out dirty float switches from the pit to adjust operating and alarm levels, as is the case with traditional rod electrodes and float switches.

Features and benefits

- The LT 200 is available as an integrated part of an LC, LCD controller or a separate unit for installation in LC, LCD controllers.
- The LT 200 can be supplied in a separate plastic cabinet with all connections ready for CU 21X.
- The LT 200 can be supplied with a pressure transmitter. The standard transmitter has a measuring range from 0 to 5.0 metres head.
- The intuitive interface makes setting easy and simple.
- Levels can be set on the controller without accessing the pit.
- It is possible to set high- and low-level alarms.
- Alarms are sent to a mobile phone or a building management system by means of a GSM module (optional).

Applications

The LT 200 is especially suitable for installations where a small pit diameter or height may cause rod electrodes to become greasy or float switches to get stuck. A pressure transmitter at the pit bottom minimises the risk of false alarms.

The LT 200 can be retro-fitted in systems with LC, LCD controllers.



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Technical data

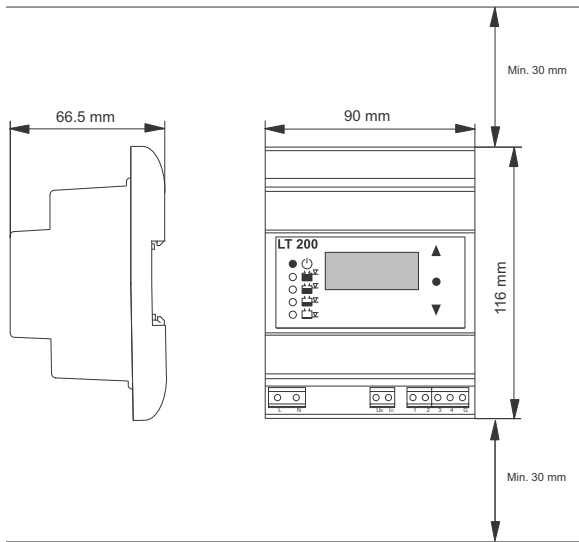
LT 200



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Supply	230 VAC + 10 %/- 20 %, 50 Hz
Power consumption	Max. 6 VA
Interface for pressure sensor	2-wire, 4-20 mA sensor, max. 10 metres, full scale. 24 VDC output (+ 5 %/- 15 %) for supply to sensor.
Outputs for CU 21X	Four digital outputs, +5 V. $Z_{out} = 480 \Omega$. Cable between CU 21X and LT 200: max. 3 m.
Display	3-digit, 7-segment LED display, green
Accuracy	$\pm 0.3 \%$ of full scale, ± 1 digit
Ambient temperature	-20 to +50 °C
Enclosure class	IP20

Dimensional sketch/product range



TM05 7277 0813

Type	H [mm]	B [mm]	D [mm]	Weight [kg]	Product number
Separate	116	90	66.5	0.45	91714449
In enclosure	20	27	13.5	1.2	91714450

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ECM: 1104367

Pressure transmitter



TM05 64 68 4912

Supply	10-36 VDC
Power consumption	Max. 6 VA
Cable	2 x 0.5 mm ² screened, flexible cable with two venting tubes. Brown: +. Blue: -. White: strain relief. Sheath: PE/HFFR.
Cable length	10 m
Dimension	Ø27 mm x 158 mm
Measuring range*	Hydrostatic 0-5 metres head, 4-20 mA
Accuracy	$\pm 0.3 \%$ of full scale
Ambient temperature	-20 to +80 °C
Enclosure class	IP68

* Other measuring ranges and cable lengths are available on request.

Product range

Type	LT 200 including pressure transmitter	Weight [kg]	Product number
Separate	•	2.45	91714451
In enclosure	•	3.2	91714452

Subject to alterations.