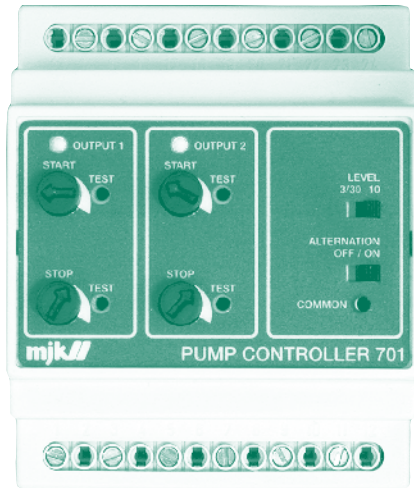


Pump Controller 701P

General



The Pump Controller 701P is a compact unit for level control of one pump and one level alarm, or two alternating pumps.

The Pump Controller 701P is designed for DIN-rail mounting. The Pump Controller 701P is supplied either complete with sensor, cable bracket or as a separate unit.

Suitable sensors for Pump Controller 701P are pressure transmitter types 7070, 1400, 7060 and 3400.

Special features

- The Pump Controller 701P is supplied with a hydrostatic pressure transmitter with measuring ranges of 3, 10 or 30 m.
- Pump Controller 701P is calibrated via the front panel. The setting values are read on a voltmeter connected to the test sockets on the front, where 0 - 3 V corresponds to 0 - 3 m / 0 - 30 m, and 0 - 1 V corresponds to 0 - 10 m.
- Pressure transmitters 7060 and 3400 are made of polypropylene and suited for measurement in waste water and sludge.
- Pressure transmitters 7070 and 1400 are of stainless steel with a small outer diameter and are used for clean liquids, for example in water drillings.

Application

The Pump Controller 701P is designed for measurement and control of levels in tanks, containers and drillings. The Pump Controller 701P is used for control of pumps in pumping stations, sewage plants, water works and

the processing industry. In general the Pump Controller 701P is used for control of 1 pump with 1 level alarm or 2 pumps between adjustable levels.

Function

In the electronic unit of the 701P the signal from the sensor is amplified to a level proportional signal. The level proportional signal

is used for comparing values for start and stop of the pump and the level alarm.

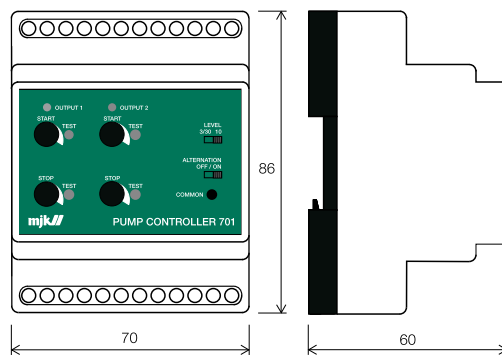
Specifications

Amplifier 701P for DIN-rail	
Measuring range	4-20 mA (0 - 0,3 m / 0 - 1 m / 0 - 3 m / 0 - 10 m / 0 - 30 m / 0 - 100 m / 0 - 300 m)
Supply	220 - 240 V AC or 110 - 130 V AC
Temperature	- 20 ... + 60 °C
Input signal	From pressure transmitter (4-20 mA)
Accuracy	± 1.0 %
Outputs	2 relays with voltage free change-over switch. 250 V, 4 A resistive load (inductive 100 VA).
Operation	From front panel
Dimensions	86 x 70 x 60 mm (h x w x d)
Enclosure	IP 22

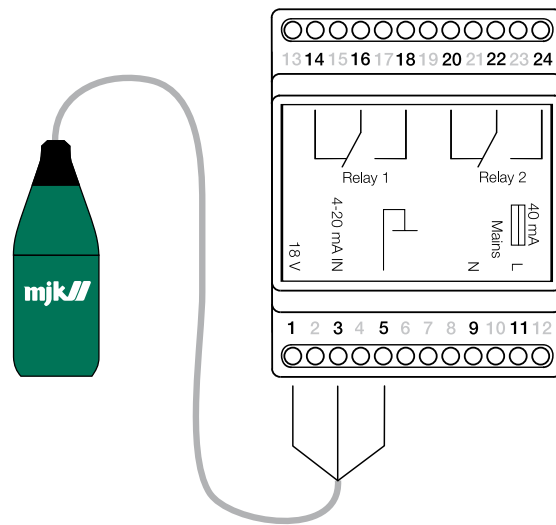
Specifications (cont'd)

Pressure Transmitter 7060 and 7070	
Measuring ranges	0 - 3 m with pressure transmitter 7060 - 1413 or 7070 - 1413 0 - 10 m with pressure transmitter 7060 - 1423 or 7070 - 1423 0 - 30 m with pressure transmitter 7060 - 1433 or 7070 - 1433
Signal	2-wire, 4-20 mA
Accuracy	± 0.5 % of measuring range
Temperature	- 10 ... + 60 °C
Dimensions	Type 7060: Dia. 60 x 140 mm Type 7070: Dia. 22 x 150 mm
Material	Type 7060: House in PP, diaphragm in acid proof steel (AISI 316L) Type 7070: House and diaphragm in acid proof steel (AISI 316L)
Cable	2 x 0,5 mm ² , Length = 12 m, (7060 / 7070 - 1433: 35 m), can be extended.
Mounting	Suspended on bracket
Enclosure	IP 68, water proof, max. 3 bar.

Dimensions



Connection



Order numbers

Order Numbers	
201950	Pump Controller 701 P without sensor, 4-20 mA input
201955	Pump Controller 701 P, 0 - 3 m, complete with 7060 pressure transmitter
201956	Pump Controller 701 P, 0 - 10 m, complete with 7060 pressure transmitter
201957	Pump Controller 701 P, 0 - 30 m, complete with 7060 pressure transmitter
202071	Pump Controller 701 P, 0 - 3 m, complete with 7070 pressure transmitter
202072	Pump Controller 701 P, 0 - 10 m, complete with 7070 pressure transmitter
202073	Pump Controller 701 P, 0 - 30 m, complete with 7070 pressure transmitter

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