

### MST300 - Compact Panel Mounted Flow Controller

- ▶ 6-digit LED display
- ▶ Flow rate/total flow display
- ▶ 1 pulse counting input
- ▶ 1 relay (REL) output
- ▶ 24V DC power supply output
- ▶ RS-485 / Modbus RTU



The MST300 flow controller is available in conjunction with the flow sensor for a wider range of flowmeter coefficients, from 0.01 to 9999.99 pulses per liter. The cumulant value can be up to 15 digits, ensuring the control operation of the convective quantity value for a long time.

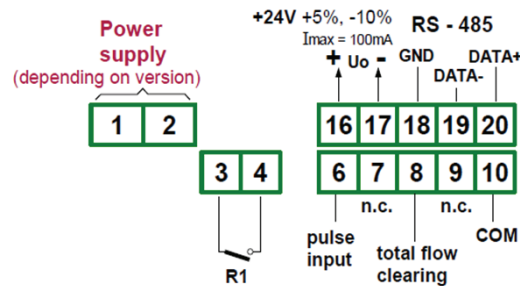
#### Specifications

<b>Power Supply</b>	19...50Vdc, 16...35Vac or 85...260Vac/Vdc
<b>Power Consumption</b>	Max. 4.5 VA
<b>Display</b>	Red LED, 6 x 9 mm height
<b>Display Range</b>	0...999999 + decimal point
<b>Flow Rate Readout Precision</b>	Selected in the 0...0.00000 of unit
<b>Flow accuracy</b>	± 1 to ± 0.0001 optional
<b>Inputs</b>	Pulse potential is isolated by the corresponding vibration damping, and the input frequency is Max. 10.0 kHz; Counting blockade: active edge or level, potential isolation
<b>Cumulative capacity</b>	over 4x10 <sup>9</sup> m <sup>3</sup> (max. 15 significant digits)
<b>Units</b>	
Flow Rate	L or m <sup>3</sup> per second/minute/hour.
Total Flow	L or m <sup>3</sup>
<b>Pulse Waiting Time</b>	Settable from 0.1 to 39.9 seconds
<b>Output</b>	
Relay output	I <sub>max</sub> =1A, U <sub>max</sub> =250Vac (cosφ=1)
<b>Power Supply Output</b>	24Vdc +5%/-10%, Max. 100 mA
<b>Communication interface</b>	RS-485, 8N1和8N2, 1200...115200 bit/s; Modbus RTU
<b>Operating Temperature</b>	0...+50°C
<b>Protection Class</b>	IP 65 (front side when an optional seal is installed). IP 40 (front side); IP 20 (case and connection clips)
<b>Dimensions(WxHxD)</b>	72 x 36 x 97 mm
<b>Installation depth</b>	Min. 102 mm
<b>Plate thickness</b>	Max. 5 mm

#### Applications

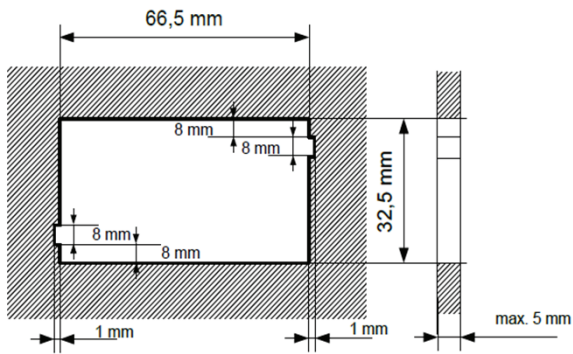
- ▶ Working with FTB/FGR series

#### Wiring

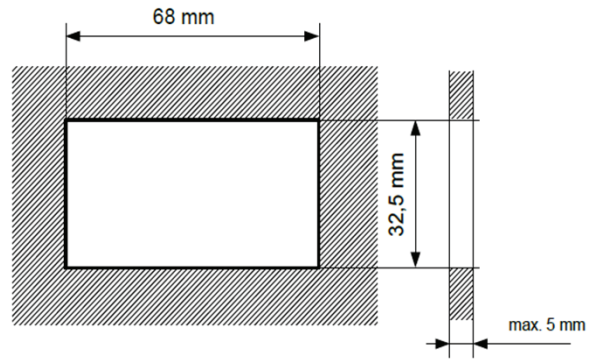


Relay output type

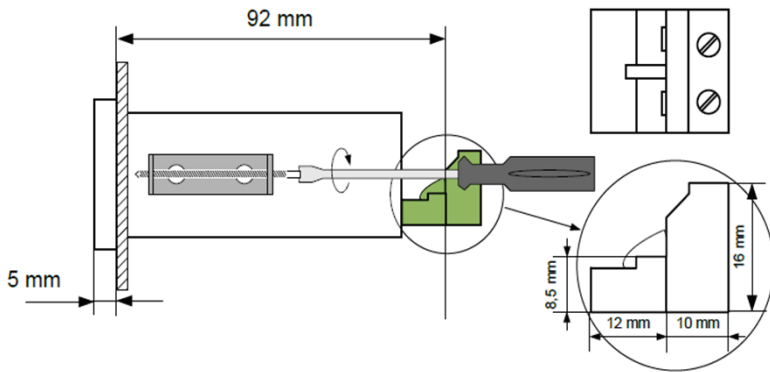
Mounting Dimensions



Mounting hole size (recommended size)



Mounting hole size (feasible size)



Mounting of the bracket and dimensions of its connectors

Model Number

OrderNo.	Output Type	Power Supply
MST300	1 X REL	24V AC/DC
MST301	1 X REL	85V...260V AC/DC