

Thermo-Flo™ Remote Level Controller



Application

The general purpose flow controller is offered in two configurations for low-flow pump and process protection. The LC80 accepts one flow sensor input and provides one 10A relay for low flow control. The LC82 accepts two flow sensor inputs and provides two 10A relays for dual low flow control. Package this flow controller with our liquid or gas flow switch sensors. For field mount installation, add a single or dual controller NEMA box.

Thermo-Flo™ Compact Level Controller



Application

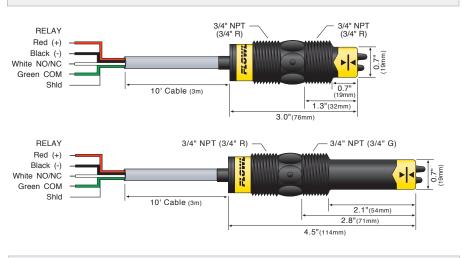
The general purpose flow controller accepts one flow sensor input, and provides one 16A relay for low-flow pump or process protection. The optional flash alarm brings attention to low-flow alarm conditions. Package this flow controller with our liquid or gas flow switch sensors.



Specifications

Set point range:	FT10: 0.04 to 3 fps (0.012 to 0.91 mps) GT10: 1 to 90 fps (0.3 to 27 mps)
Factory set point:	FT10: 2fps (.06 mps) GT10: 10 fps (3 mps)
Repeatability:	± 0.5% of set point @ fixed temperature
Response time: Set point adjust.: Viscosity range: LED indication:	1-10 seconds Potentiometer FT10: 1-200 centipoise
Supply voltage:	Flow status 14-36 VDC
Consumption: Contact type:	70 mA maximum (1) SPST relay
Contact rating: Contact output:	60 VA, 1A maximum Selectable NO / NC
Process temp.:	F: 32° to 140° C: 0° to 60°
Ambient temp.:	F: -40° to 140° C: -40° to 60°
Pressure:	150 psi (10 bar) @ 25° C, derated @ 1.667 psi (0.113 bar) per °C above 25° C
Sensor rating:	NEMA 4X (IP65)
Wetted material:	-1XX5: PP-Ryton® -5XX5: PVDF
Cable jack. mat.:	-1XX5: PP -5XX5: FEP
Cable type:	4-conductor, shielded #22 AWG
Cable length: Process mount: Mount. gasket: Classification: Compliance:	10' (3m) 3/4" NPT (3/4" G/R) Viton® General purpose CE

Dimensions



Accessories

If the required FT10 application experiences conditions of pulsing flow, please consider the Flow Switch Fitting below.

P/N FT50-5000 Description Flow Switch Fitting

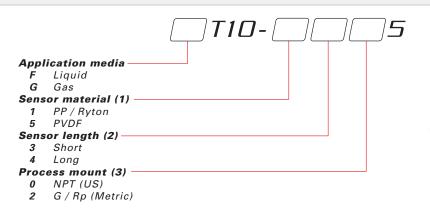
Mounting

FT10/GT10 Special Mounting Instructions

When using any type of fitting, the orientation as well as the insertion depth of the flow switch in the pipe is critical. Recommended orientation and depth is represented by the following diagram. For more information reference the FT10/GT10 manual at www.flowline.com/technical_lit.php



Ordering



Notes

 To special order a 25' (7.6m) or 50' (15.2 m) flow sensor cable, place the cable length at the end of the part number (ie: FT10-1305-25'). For PP, add \$20 for 25' (7.6m) or \$40 for 50' (15.2m) to the price. For FEP, add \$75 for 25' (7.6m) or \$150 for 50' (15.2m) to the price.

- Order the short sensor for use with pipe sizes from 3/4"-1 1/2" (D25-D50), and the long sensor for 2" and higher (D63 up).
- ThelongmetricflowsensorhasstraightGthreads on the sensing side, and conical R threads on the cable side of the wrench flat.