

SALIENT FEATURES

- Electrical input in form of 4-20mA DC, for PT Compensation
- Input-Linear, Square root, 10 point linearisation table
- Selectable through front membrane keypad
- 16 x 2 Alphanumeric LCD display for Flow rate & Totalisation.
- Programmable Low Flow Clip Control available
- Long lasting battery backup for memory.
- PC communication (MODBUS RTU protocol)
- Parallel Printer Port
- High / low alarm output.
- Averaging of inputs for turbulent flow

DESCRIPTION

Electronet's FL - 600 series of Flow Indicator is used to monitor corrected flow with the help of Pressure & Temperature Compensation. Flow rate is processed linearly or Square rooted according to requirement. 10 point linearisation is available in case of nonlinear input. Flow rate is indicated on 4 digit & Totalised flow is indicated on 8 digit display. Three modes of operation i.e. normal, batch & monthly are provided. The built in battery backup is provided for the memory to avoid loss of data in case of power failure. Microcontroller based design with full flexibility is provided for flow metering applications. Optional high/low relays are available on request.

TECHNICAL SPECIFICATIONS

Input	: 4 to 20 mA DC - 03 Nos. For Flow, Temp & Pressure in case PT Compensation.
Display	: 16 x 2 LCD display
Range	: Programmable upto 9999
Accuracy	: Better than $\pm 0.25\%$ F.S., +/- 1 Digit
Alarms output	: One high/One Low/One Batch
Alarms Output	: 1 c/o, 1 Amp. @ 230V AC
Power Supply	: 1) 230/110/24 V AC, 50 Hz $\pm 10\%$ 2) 24V AC
Transmitter supply	: 24V DC @ 30mA
Retransmission output	: 4 to 20 mA/1 to 5V DC, Isolated
Communication Port	: RS 232 with MODBUS RTU
Printer port	: 80 Column Parallel printer port
Power Consumption	: Less than 10 VA
Temperature Drift	: Less than 0.01% of F.S. per $^{\circ}\text{C}$ change
Response Time	: Less than 100 mSec
Isolation	: 1.4 KV between Input, Output & P. S.
Enclosure	: Sheet steel, powder coated / RCP-WP
Dimensions	: 72 mm (H) x 144 mm (W) x 200 mm (D)
Mounting	: Flush of the Panel / Wall (for RCP Enclosed)
Operating Temperature:	0 - 55 $^{\circ}\text{C}$
Humidity	: 10 to 90% Non condensing

PROGRAMMABLE PARAMETERS

1. Function : Sq.Root/Linear/10 Point.
2. Modes : Normal/monthly/Batch
3. Full Scale Value : 0 to 9999
4. Time Unit : Hours, Minutes, Seconds, Days
5. RTC : Date, Time, Month, Year
6. Filter Time Constant : 1 to 99 seconds.
7. Print: On/OFF
8. Print Interval: 0 to 3600 minute
9. % Clip: 0 to 10% of F.S.
10. High Alarm: 0 to 100% of Range
11. Low Alarm: 0 to 100% of Range
12. Batch Set: 8 Digit



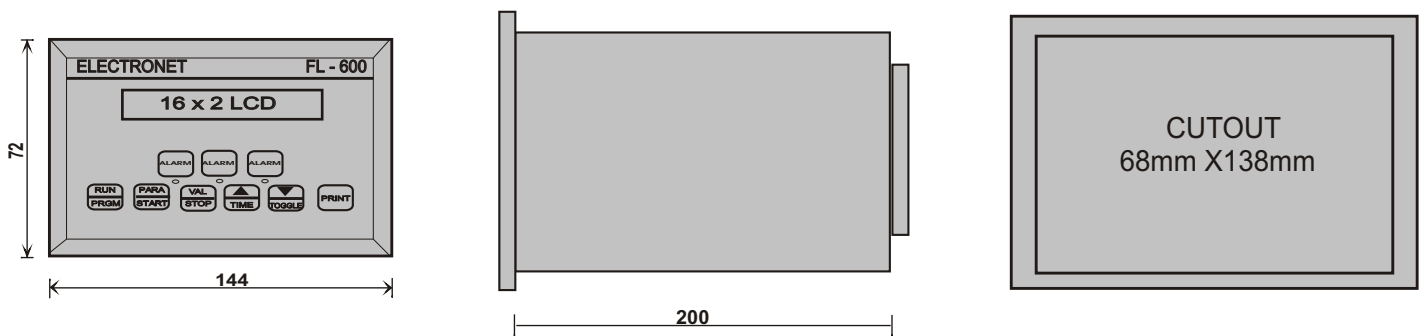
CODIFICATION FOR FL 600

CODE	INPUT					
01	: 4- 20mA DC					
02	: 1-5V DC					
03	: FREQUENCY (RANGE PL.SPECIFY)					
		CODE	RELAY OUTPUT			
		01	: NONE			
		02	: HIGH			
		03	: LOW			
		04	: HIGH & LOW			
		CODE	RETRANSMISSION OUTPUT			
		01	: NONE			
		02	: 4-20MA DC,ISOLATED			
		CODE	TRANSMITTER POWER SUPPLY			
		01	: NONE			
		02	: 24 V DC,30MA			
		03	: OTHER (PL.SPECIFY)			
		CODE	POWER SUPPLY			
		01	: 110VAC			
		02	: 230VAC			
		CODE	COMMUNICATION PORT			
		01	: NONE			
		02	: RS 232 (MODBUS RTU)			
		03	: RS 485 (MODBUS RTU)			

FL- 600 01 01 01 01 01 02

SAMPLE MODEL NUMBER

MOUNTING DETAILS



Due to our continuous product revisions, Design, Specifications and Model Numbers are subject to change without notice.

MANUFACTURED & MARKETED BY

ELECTRONET EQUIPMENTS PVT. LTD
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