FLOW INDICATOR & TOTALIZER WITH MODBUS

MULTISPAN **MFC-3016D**

TECHNICAL SPECIFICATION

INPUT SPECIFICATION:

Input	4 to 20mA DC
Range limits	0 to 9999 programable with decimal point selection
Resolution	Decimal Point selectable : 9.999, 99.99, 999.9, 9999

DISPLAY AND KEYS:

Display	16X2 LCD Display
Keys	SET, SHIFT, INC, ENT/RST

DIMENSION:

Size (mm)	48 (H) x 96 (W) x 67 (D) mm
Panel Cutout	45 (H) x 92 (W) mm

INDICATION :

LCD Type, 4 digit Flow rate & 8 digit Totaliser - 16X2 line with back light

COMMUNICATION SPECIFICATION :

Protocol	Modbus RTU Serial
Standard	RS - 485
Communication method	2 wire half duplex
Data frame	N-8-1, E-8-1, O-8-1
Communication rate	2400, 4800, 9600, 19200, 38400 bps
Address range	1 to 127
Data type	long integer, float

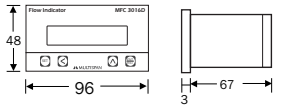
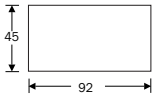
POWER SUPPLY:

Supply Voltage	100 to 250V AC, 50-60Hz

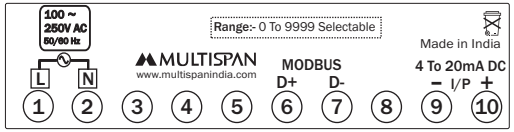
ENVIRONMENT CONDITION:

Operating Temp.	0°C to 55°C
Relative Humidity	UP to 95% RH (non-condensing)
Protection Level (As per request)	IP-65 (Front side) As per IS/IEC 60529 : 2001

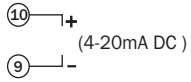
MECHANICAL INSTALLATION

Outline Dimension (mm)	Panel Cutout Dimension (mm)
	

TERMINAL CONNECTION



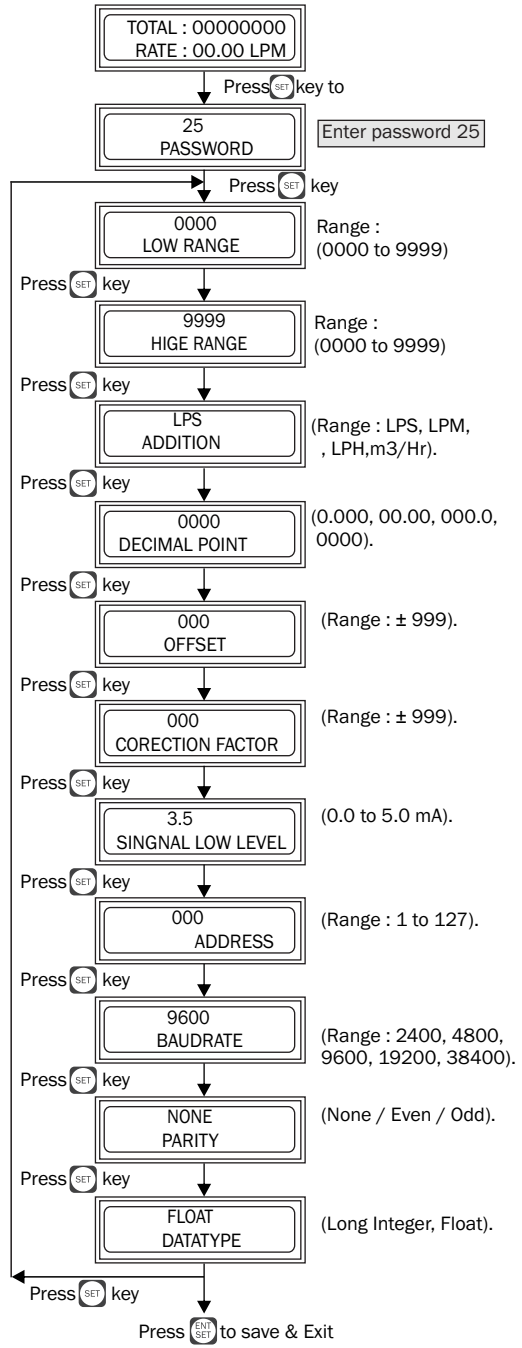
CONNECTION FOR CURRENT I/P



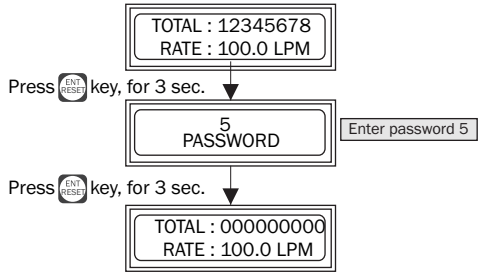
KEY OPERATION

FUNCTION	PRESS KEY
OPERATOR MODE	
To enter in parameter setting	SET
To reset total flow (password portect)	ENT RESET Press 3 sec
To view grand total flow	< Press 3 sec
To reset grand total flow	< + ENT RESET
PARAMETER SETTING MODE	
To set parameter value and move to next step	SET
It will select the digit to modify, when value is edited	<
To change parameter value	^
Set parameter to be save & exit	ENT RESET

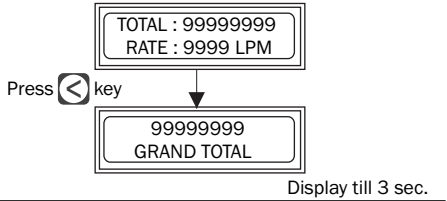
PARAMETER SETTING



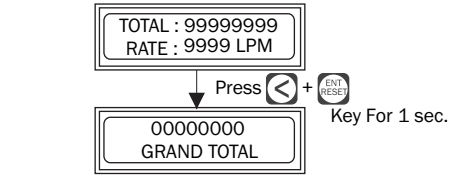
TOTAL FLOW REST FUNCTION



TO VIEW GRAND TOTAL



TO RESET GRAND TOTAL FLOW



MODBUS PARAMETER

Sr No.	Access Type	Parameter	Register Datatype Long Integer & Float
1	R	Total Flow	0
2	R	Total Flow DP	2
3	R	Flow Rate	4
4	R	Grand Total Flow	6
5	R	Grand Total Flow DP	8
6	R/W	Low Range	10
7	R/W	High Range	12
8	R/W	Addition	14
		Selection	Value
		LPS	0
		LPM	1
		LPH	2
		M3/Hr	3
9	R/W	Decimal Point	16
		Selection	Value
		0000	0
		000.0	1
		00.00	2
		0.000	3
10	R/W	Offset	18
11	R/W	CF	20
12	R/W	Signal Low Limit	22
13	R/W	Address	24
14	R/W	Buadrate	26
		Selection	Value
		2400	0
		4800	1
		9600	2
		19200	3
		38400	4
15	R/W	Parity	28
		Selection	Value
		None	0
		Even	1
		Odd	2
16	R/W	Datatype	30
		Selection	Value
		Long integer	0
		Float	1

	Actual Value	DP Selection
SLL	Value/10(If data type long integer selected)	Fix