



TECHNICAL SPECIFICATION

INPUT SPECIFICATION:

Input	Current : 4 TO 20mA DC
Resolution	Decimal Point Selectable: 00000/0.0000/00.000/000.00/0000.0 (For Flow rate) & Total Flow
Range Limits	0 to 99999999 For Total Flow 0 to 99999 For Flow Rate

DISPLAY AND KEYS:

Display	Upper: 8 digit, 7 seg, 0.5" Red (For Total Flow) Lower: 5 digit, 7 seg, 0.4" Green (For Flow rate)
Keys	SET, ENT, SHIFT, UP

DIMENSION:

Size	96 (H) x 96 (W) x 54 (D) mm
Panel Cutout	92 (H) x 92 (W) mm

GENERAL SPECIFICATION:

Memory	Non Volatile
Reset Option	Front Panel Reset & Back terminal reset

OUTPUT SPECIFICATION:

Relay Output	
Relay	1 nos.
Relay Type	1 C/O (NO-C-NC)
Rating	5A, 230V AC
Transmitter Supply	
24V DC	

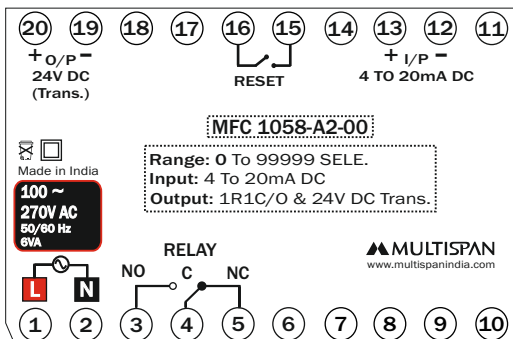
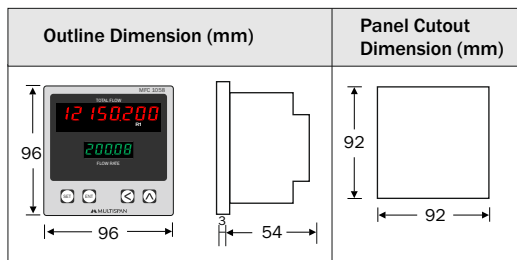
AUXILIARY SUPPLY:

Supply voltage	100 to 270V AC, 50-60Hz
Power consumption (VA RATING)	Approx 6VA @ 230V AC MAX

ENVIRONMENT CONDITION:

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

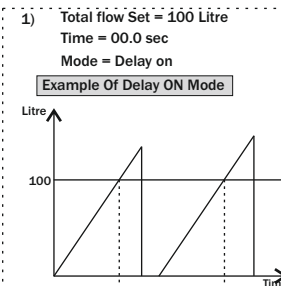
MECHANICAL INSTALLATION



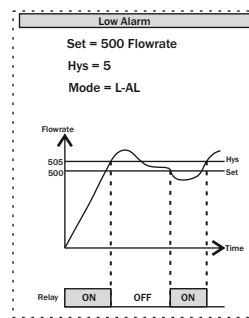
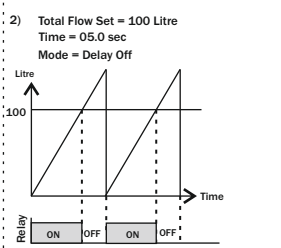
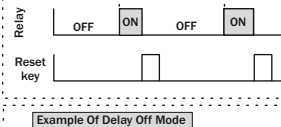
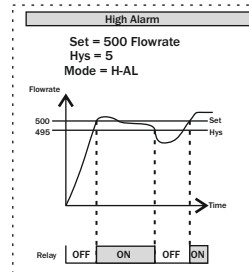
KEY OPERATION

FUNCTION	PRESS KEY
OPERATOR MODE	
To enter in parameter setting mode	(SET) + (←) (For Relay Run mode selection) (SET) (For selected Relay Run mode setting)
To View Grand Total flow	(←)
To Reset Grand Total	(←) + (ENT)
To Reset Total Flow 3 Sec	(ENT)
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)

OPERATING MODE FUNCTION



DELAY ON AND DELAY OFF FUNCTION
In Delay ON mode Relay will turn ON at setpoint and in Delay OFF mode Relay will turn ON till setpoint reach.



MECHANICAL INSTALLATION GUIDELINES

1. Prepare the panel cutout with proper dimensions as shown above.
2. Fit the unit into the panel with the help of clamp given.
3. The equipment in its installed state must not come in close proximity to any heating source, caustic vapors, oils steam, or other unwanted process byproducts.
4. Use the specified size of crimp terminal (M3.5 screws) to wire the terminal block. Tightening the screws on the terminal block using the tightening torque of the range of 1.2 N.m.
5. Do not connect anything to unused terminals.

MAINTENANCE

1. The equipment should be cleaned regularly to avoid blockage of ventilating parts.
2. Clean the equipment with a clean soft cloth. Do not use isopropyl alcohol or any other cleaning agent.
3. Fusible resistor must not be replaced by operator.

SAFETY PRECAUTION

All safety related codifications, symbols and instructions that appear in this operating manual or on the equipment must be strictly followed to ensure the safety of the operating personnel as well as the instrument.

If all the equipment is not handled in a manner specified by the manufacturer, it might impair the protection provided by the equipment.

Read complete instructions prior to installation and operation of the unit.

WARNING : Risk of electric shock.

WARNING GUIDELINES

WARNING : Risk of electric shock.

1. To prevent the risk of electric shock, power supply to the equipment must be kept OFF while doing the wiring arrangement. Do not touch the terminals while power is being supplied.
2. To reduce electro magnetic interference, use wire with adequate rating and twists of the same of equal size shall be made with shortest connection.
3. Cable used for connection to power source, must have a cross section of 1mm or greater. These wires should have insulations capacity made of at least 1.5kV.
4. A better anti-noise effect can be expected by using standard power supply cable for the instrument.

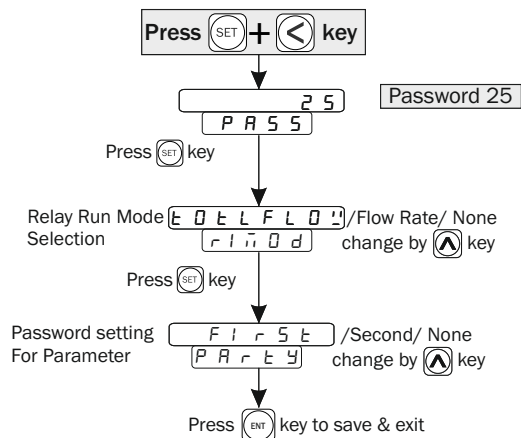
INSTALLATION GUIDELINES

1. This equipment, being built-in-type, normally becomes a part of main control panel and in such case the terminals do not remain accessible to the end user after installation and internal wiring.
2. Do not allow pieces of metal, wire clippings, or fine metallic fillings from installation to enter the product or else it may lead to a safety hazard that may in turn endanger life or cause electrical shock to the operator.
3. Circuit breaker or mains switch must be installed between power source and supply terminal to facilitate power 'ON' or 'OFF' function. However this mains switch or circuit breaker must be installed at convenient place normally accessible to the operator.
4. Use and store the instrument within the specified ambient temperature and humidity ranges as mentioned in this manual.

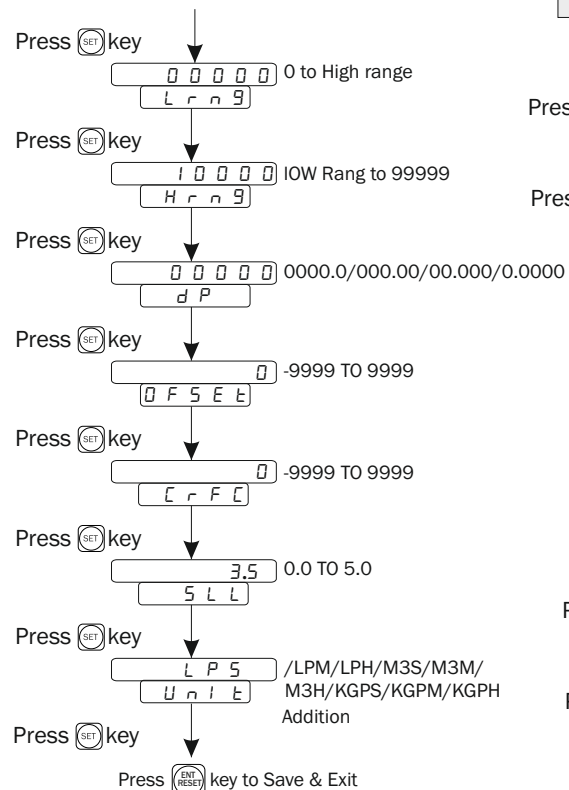
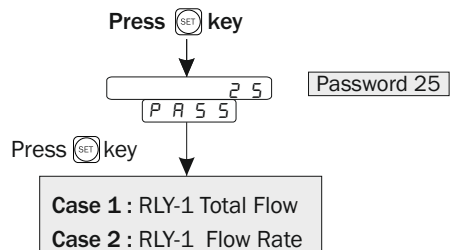
PARAMETER MESSAGE DESCRIPTION

PRSS	Password
SEt	Setpoint for total flow or flowrate
tīnE	Relay time
nōdE	Relay operating mode
HYS	Hysteresis
rELY	Relay working on Total flow Or Flow Rate
rSEtP	Password protection For Reset Parameter
Lrn9	Low Range
Hrn9	High Range
dP	Decimal Point
OFFSt	Offset
CF	Correction Factor
SLL	Set Low Limit
nōdE	Mode
dELAY-On	Relay works on delay on mode
dELAY-Off	Relay works on delay off mode
H-RL	High alarm mode
L-RL	Low alarm mode
LPS	Liter per second
LPM	Liter per minute
LPH	Liter per hour
m3H	Meter Cube hour
m3S	Meter Per Second
m3M	Meter Per Minute
kgPS	Kilo Gram Per Second
kgPM	Kilo Gram Per Minute
kgPH	Kilo Gram Per Hour
nōnE	None : No Password For Parameter Setting
First	First : Password High Priority For Parameter Setting
SECOnd	Second : Set Point After Password For Parameter Setting
EOtLFLD'	Relay works on Total flow
FLD'-RtE	Relay works on Flow Rate
nōnE	No Relay Working
rLr	Retransmission Low Range
rHr	Retransmission High Range

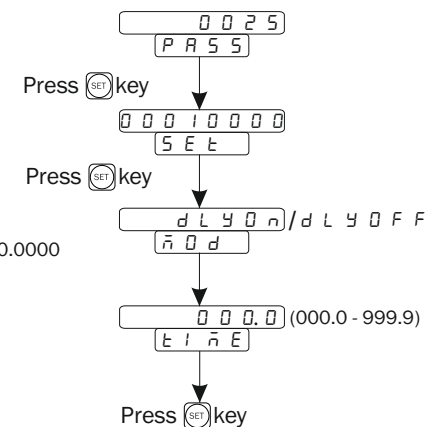
RLY RUN MODE SELECTION PASSWORD



BASIC CONFIGURATION



Case 1 : RLY 1- Total Flow



Case 2 : RLY 1- Flow Rate

