



Features

- RS-485 Communication with Modbus protocol
- 4-20mA/0-10V input (Optional)
- 4-20mA/0-10V output (Optional)
- Relay output (Optional)
- Pluggable membrane keypad for configuration
- Modbus online configuration facility
- LED Intensity control

Signal ranges	4-20 mA, 0-10V
Input resistance	181Ω, 940kΩ
Scaling method	Zero & span potentiometers
A/D conversion	Dual slope integration
Accuracy	±0.2% of range
Display	
Number of digits	4
Display range	0 – 9999
Display type	Red or Green LED
Digit height	(0.56")
Decimal point selection	Plug-in jumpers behind front panel
Electrical	
Signal isolation	750 Vac
Power to meter	10-30 Vdc, 0.6 W
Mechanical	
Bezel dimensions	49.3 x 36.9 mm H x W
Panel cutout	57.5 x 31.1 mm H x W
Depth behind panel	55.1 mm (2.68") including connector
Electrical connections	Four screw terminals, detachable connector
Weight	60 g (2 oz)
Environmental	
Operating temperature	-20°C to 60°C (-4°F to 140°F)
Storage temperature	-40°C to 80°C (-40°F to 176°F)

Part Number:

mic-4

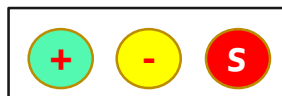
RS-485
D : MODBUS RS:485

Led Color:
G : Green
R : Red

Analog I/O
A : 4-20mA input
B : 0-10V input
C : 4-20mA output
D : 0-10V output

Digital I/O
T : Transistor 500mA
R : 2A relay

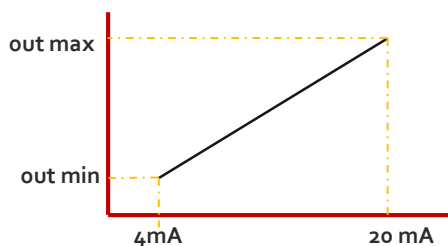
STANDARD PROCESS METERS – ANALOG INPUT CONFIGURATION



ANALOG SET POINT

- USE BUTTONS +(GREEN) AND – (YELLOW) TO ADJUST THE SETPOINT FOR THE RELAY

PROCESS METER CONFIGURATION

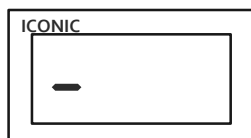


Long press S (red) button to access meter configuration.
The display starts showing parameter keys.

SET HYSTERESIS –

Relay off point = set point - hysteresis

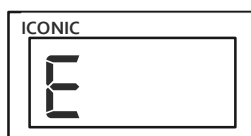
USE BUTTONS +(GREEN) AND – (YELLOW) TO ADJUST THE SETPOINT FOR THE HYSTERESIS



SET DELAY –

TIME DELAY FOR RELAY TURNING OFF IN milliseconds

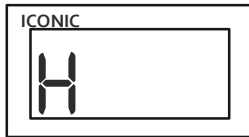
USE BUTTONS +(GREEN) AND – (YELLOW) TO ADJUST THE SETPOINT FOR THE DELAY



SET OUTPUT MAX –

VALUE REPRESENTING 20mA at input

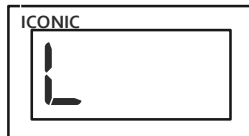
USE BUTTONS +(GREEN) AND – (YELLOW) TO ADJUST THE SETPOINT FOR THE max output



SET MINIMUM OUTPUT –

VALUE REPRESENTING 0mA at input

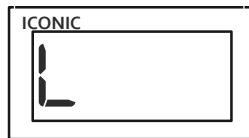
USE BUTTONS +(GREEN) AND – (YELLOW) TO ADJUST THE SETPOINT FOR THE min output



SET DISPLAY BRIGHTNESS –

DISPLAY BRIGHTNESS

USE BUTTONS +(GREEN) AND – (YELLOW) TO ADJUST THE SETPOINT FOR THE DISPLAY BRIGHTNESS



SET MINIMUM OUTPUT –

VALUE REPRESENTING 0mA at input

USE BUTTONS +(GREEN) AND – (YELLOW) TO ADJUST THE SETPOINT FOR THE min output

SPECIAL REGISTERS

40006	Configuration update register
400010	Modbus slave address
400011	Baud configuration 1 = 9600 bps 2 = 19200 bps
40002	Display value 0 – 32000 (unsigned integer values)

RE-CONFIGURING PROCEDURE

The device comes pre-configured for 9600 bps and slave address of 28

1. Write new- slave address to register 400010
2. Write new- baud configuration number to register 400011
3. Write integer 23 to register 40006 to save changes to EEPROM
After a successful write six dash lines will be shown on the display (-----)
4. Power off the display and turn on.

At the start the display will indicate Modbus address and then the baud number.