

Features

- RS-485 Communication with Modbus protocol
- Scalable 4-20mA/0-10V input
- Relay output
- LED Intensity control



Signal ranges	4-20 mA, 0-10V
Input resistance	5Ω, 940kΩ
Scaling method	Zero & span potentiometers
A/D conversion	Dual slope integration
Accuracy	±0.2% of range
Display	
Number of digits	6
Display range	0 – 999999
Display type	Red or Green LED
Digit height	(0.56")
Decimal point selection	Automatic or Via Modbus
Electrical	
Signal isolation	750 Vac
Power to meter	10-30 Vdc, 0.6 W
Mechanical	
Bezel dimensions	32 x 66.7 mm H x W
Panel cutout	33 x 68 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-6 [] [] [] [] []

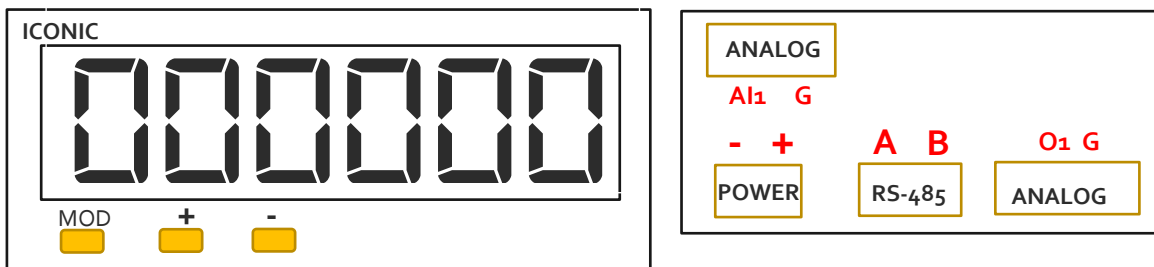
Supply Voltage
D : 12 – 36 VDC
A : 230 V AC

RS-485
D : MODBUS RS:485
E : No communication

Led Color:
1G : Green 0.56
1R : Red 0.56
2G : Green 1'
2R : Red 0.1'
3G : Green 2.3'
3R : Red 2.3'

Analog I/O
A : 4-20mA input
B : 0-10V input
C : 4-20mA output
D : 0-10V output
N : No Analog

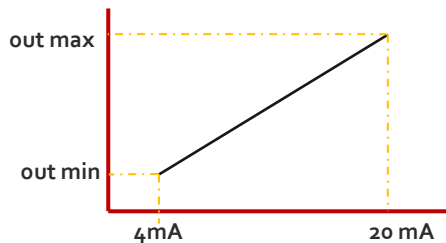
Digital I/O
T : Transistor 500mA
R : 2A relay
N : No Output



ANALOG SET POINT

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

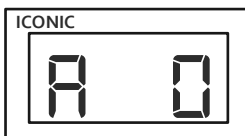
PROCESS METER CONFIGURATION



Long press MOD button to access meter configuration.
The display starts showing parameter keys.

Display Mode –

USE BUTTONS + AND – TO ADJUST THE MODE AND M to next parameter



A 0 – Scaled Analog input display
A 1 – Scaled Analog output display

Analog input Scale Low – VALUE REPRESENTING 0mA at input

USE BUTTONS + AND – TO ADJUST THE value AND M to next parameter



Analog input Scale High – VALUE REPRESENTING 20mA at input

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



Analog output Scale High – VALUE REPRESENTING 20mA at output

USE BUTTONS + AND – TO ADJUST THE value AND M to next parameter



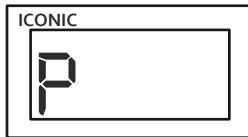
Analog output Scale High – VALUE REPRESENTING 0mA at output

USE BUTTONS + AND – TO ADJUST THE value AND M to next parameter



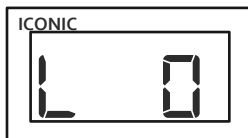
MODBUS ADDRESS – MODBUS node iD

USE BUTTONS + AND – TO ADJUST THE value AND M to next parameter



RS-485 Baud rate –

USE BUTTONS + AND – TO ADJUST THE value AND M to next parameter



L 0 – 9600 bps
L 1 – 19200 bps

SPECIAL REGISTERS

40006	Configuration update register
400010	Modbus slave address
400011	Baud configuration 1 = 9600 bps 2 = 19200 bps
40002	Analog input scaled – unsigned int
40003	Analog output scaled – unsigned int
40004 (R)	Analog input 12 bit
40005 (R/W)	Analog output 12 bit
40014	Analog input scaling high
40015	Analog input scaling low
40016	Analog output scaling high
40017	Analog output scaling low

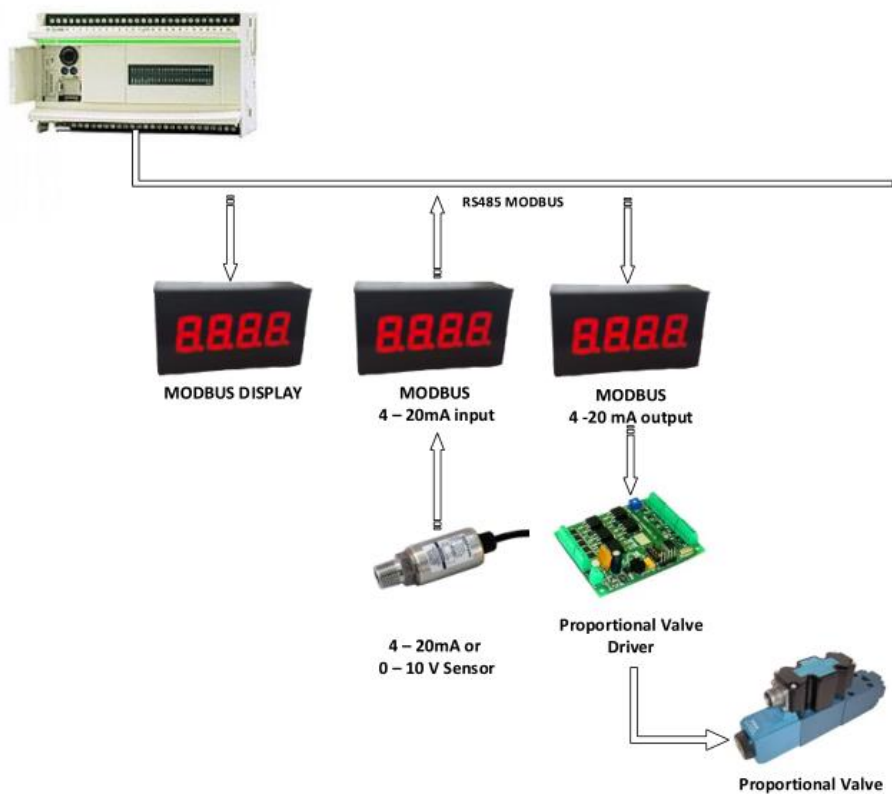
RE-CONFIGURING PROCEDURE

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

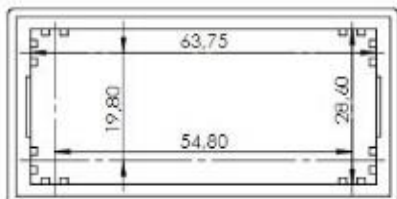
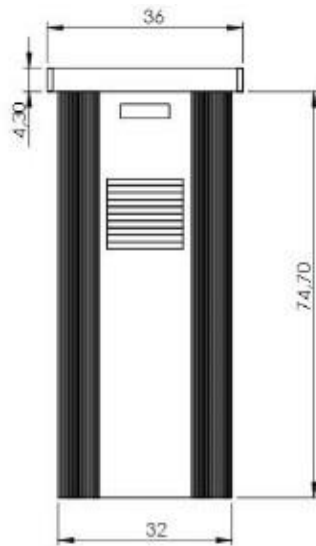
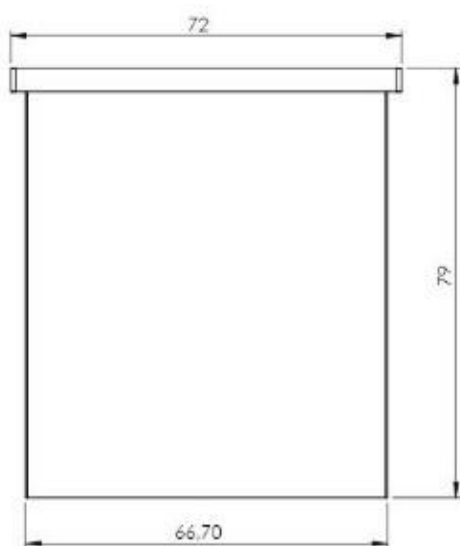
1. Write new- slave address to register 400010
2. Write new- baud configuration number to register 400011
3. Write integer 23 to register 40006 to save changes to EEPROM
After a successful write six dash lines will be shown on the display (-----)
4. Power off the display and turn on.

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

APPLICATIONS



DIMENSIONS



TECHNICAL SUPPORT

Email: info@icd.lk

Phone : +94 11 44 93 482 / +94 77 1111 776

ICONIC DEVICES LTD. Sri Lanka

