



CURRENT SCANNER

MCS 63-860

APPLICATIONS

Road Construction Panel

Injection Moulding

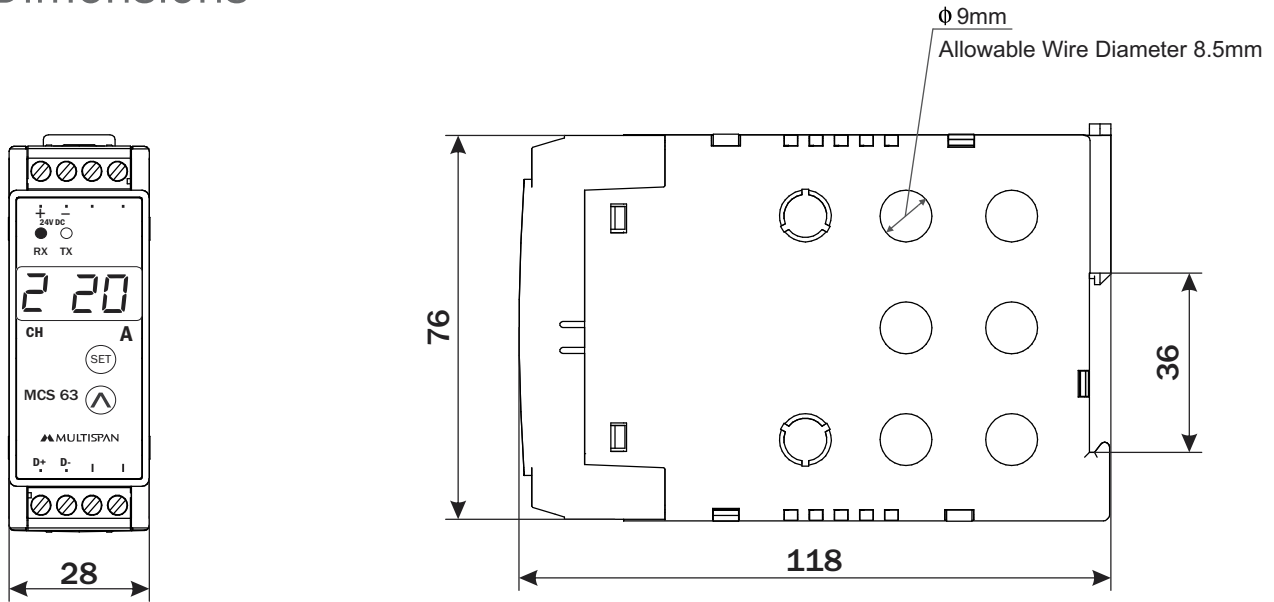
Plastic Process Industry

Feeder Panel

Industrial Automation Panel

Mechanical Dimensions

Body Dimensions

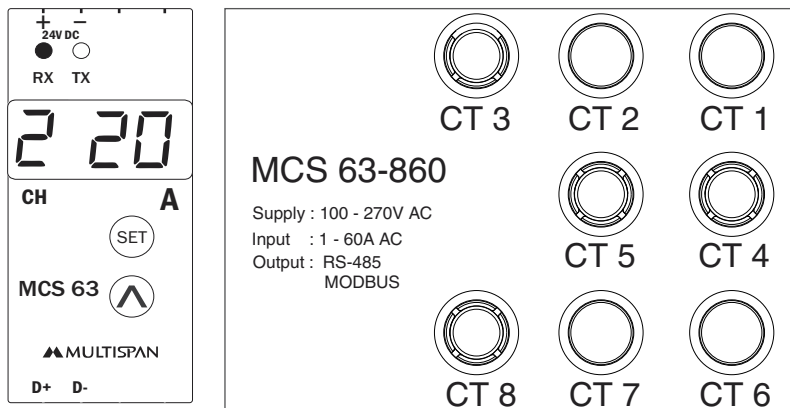


FRONT VIEW

RIGHT SIDE VIEW

All dimensions are in mm

Connection Diagram



TECHNICAL DATA

Input	Current :1 to 60Amp AC
Output	RS 485 Modbus
Power Supply	24V DC

Input

Current	1 to 60Amp AC (8CT)
Burden	<0.2VA
Starting Current	60mA
Overload	upto 65A Continues
ADC Resolution	10 Bits

Power Supply

Standard	24V DC
Consumption	2 VA

Display & Keys

Display	3 Digit, 7 Seg. 0.36" Red LED Display
Key	SET, INC
LED	RX, TX

Output

Communication

Protocol	MODBUS RTU Serial
Standard	RS 485
Communication Method	2 Wire half Duplex
Data Frame	N-8-0, N-8-1, N-8-2
Baud Rate	2400 , 4800 , 9600 , 19200 , 38400 bps
Slave Address	1 to 127
Data type	Integer, Float

Environmental Characteristics

Operating Temperature	0 to 55 °C
Storage Temperature	0 to 70 °C
Humidity	95% RH Non-condensing

Mechanical Characteristics

Mounting Type	DIN Rail Mount
Dimension (HxWxD) mm	76 x 28 x 118
Material	Body Polycarbonate (PC)
Terminal Screw Size	M3
Screw Torque (N.m)	0.5
Wire Guage (AWG)	28-12
Weight (Approx) gms	Unpacked : 219 Packed : 239

Manual

MULTISPAN

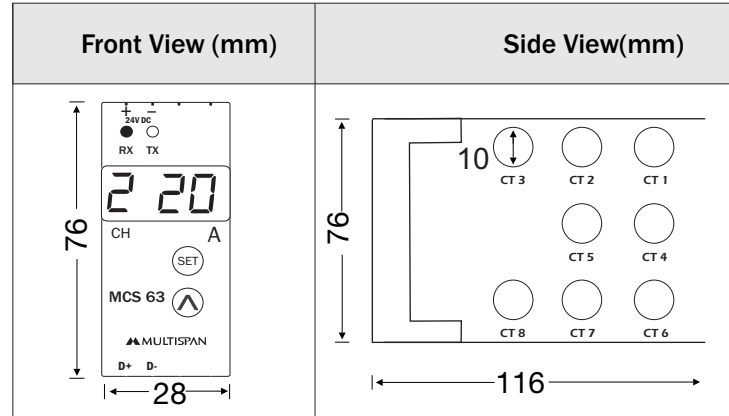
**CURRENT SCANNER
MCS 63**



ENVIRONMENTAL CONDITION :

Working Temperature	0 to 55 °C
Storage Temperature	0 to 55 °C
Relative Humidity	95 % RH Non - Condensing

MECHANICAL DIMENSION



TECHNICAL SPECIFICATION

INPUT SPECIFICATION :

Current AC	1 To 60 Amp.
Burden	< 0.2VA
Overload	Up to 65A continuous

CALCULATED PARAMETERS :

6 Different CT Current

DISPLAY & KEYS :

Display	3 Digit, 7 Seg., 0.36", Red.
Keys	SET, INC

DIMENSION :

Size (mm)	76(H) x 28(W) x 116(D)
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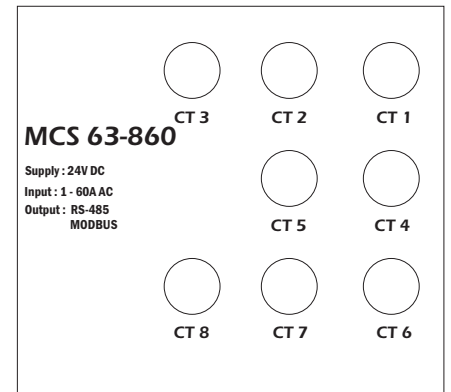
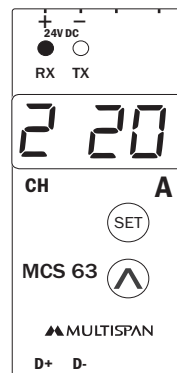
COMMUNICATION SPECIFICATION :

Protocol	Modbus RTU Serial
Standard	RS - 485
Communication method	2 wire half duplex
Data frame	N-8-0,N-8-1,N-8-2
Communication rate	2400,4800,9600,19200,38400
Slave Address	1 to 127
Data type	Integer,Float

AUXILIARY POWER SUPPLY :

Power Supply	24 V DC
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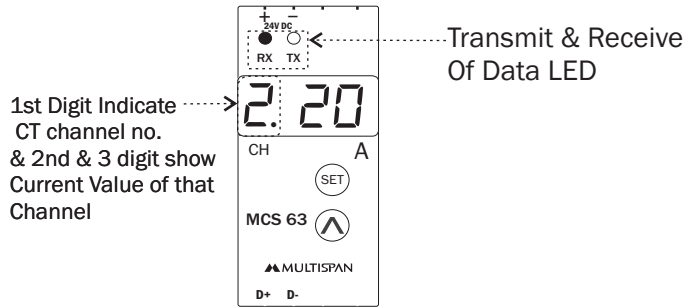
TERMINAL CONNECTION



KEY OPERATION

FUNCTION	KEY PRESS
OPERATION MODE	
To Enter in Parameter Setting	SET
To View Different CT Current (To Change page)	▲
To Change Scroll & Hold Mode	▲ For 3 Sec
PARAMETER SETTING MODE	
To Change Parameter Value	▲
To Save & Exit From Parameter Setting Mode	SET For 3 sec

DISPLAY INDICATION



MODBUS

Slave Address	1-127
Baudrate	2400,4800,9600,19200,38400 bps
Parity	None,Even,Odd
Datatype	Integer,Float
Read Function Register	0x03,0x04
Write Function Register	0x06,0x10

Note :- When Parameter 32000 = Parameter not available

Sr.No	Access Type	Parameter	Register	
			Integer	Float
1	R	Current Of CT 1	0	0
2	R	Current Of CT 2	1	2
3	R	Current Of CT 3	2	4
4	R	Current Of CT 4	3	6
5	R	Current Of CT 5	4	8
6	R	Current Of CT 6	5	10
7	R	Current Of CT 7	6	12
8	R	Current Of CT 8	7	14
9	R/W	Address	8	16
10	R/W	Baudrate	9	18
		Selection	Value	
		B 2400	0	
		B 4800	1	
		B 9600	2	
		B 19200	3	
B 38400	4			
11	R/W	Parity	10	20
		Selection	Value	
		None	0	
		Even	1	
Odd	2			
12	R/W	Datatype	11	22
		Selection	Value	
		Sign Integer	0	
Float	1			
13	R/W	Scan Time	12	24
14	R/W	Frame delay	13	26

PARAMETER SETTING

