

Measurement: Volts, Amps, Power (real, reactive, apparent), Power Factor, Energy, and Frequency. Includes many per-phase & total parameters.

Local Indication: Display as many as 28 electric parameters in 17 screens with up to three display values per screen. All three values of 3-Phase parameters are simultaneously displayed. Includes automatic display of engineering units in separate display.

Serial Port: Four network-connection options. All parameters available in network-accessible registers.

Display Modes: Fixed, Scroll, and Fast Forward. Enable/Disable displayable screens via push-button with all network register parameters always available.

Current Inputs: Full transformer isolation. (See Selection Table). Scaling is field selectable from built-in CT ratio library to display primary-side values when connected to CTs. Custom ratios can be written over the network.

Voltage Inputs: Full transformer isolation. (See Selection Table). Scaling is field selectable from built-in PT ratio library to display primary-side values when connected to PTs. Custom ratios can be written over the network.

UL Certification: Meets IEC1010 and is certified by Underwriters Laboratory to meet UL and CSA standards. Requires either of the two ac-only power supply options.

Auxiliary Power Supply: Three power supply options. Includes a universal power supply option which operates from either an ac or dc power source.

Mechanical: Three 4-digit, long life, red LED displays, 0.56" high. One 8-character red LED alphanumeric display. 4" round x 6.8" deep case. 4.5" Sq. faceplate.

ORDER GUIDE 122

RT with DNP3 or Modbus

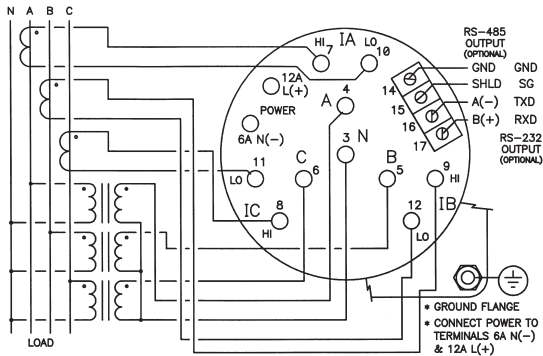
Order Number = Base Model + 6 Option Codes	
Select Base Model	
AC Connection	Base Model
3-Wire, 2-Element	MTWIE2B
4-Wire, 2½-Element	MTWIE3B
4-Wire, 3-Element	MTWIE1B

Select New Option Codes			
Optional Functions	Price Adder	Old Option Code	New Option Code
Auxiliary Power			
115 V ac (UL certified)	NO	-VA2	0
230 V ac (UL certified)	NO	-VA4	1
24-250 V dc/115 V ac	YES	-VD4A	2
Network Connections			
Modbus RTU w/RS-232	NO	-S093	9
Modbus RTU w/RS-485	NO	-S103	A
DNP3 w/RS-232	NO	-S113	B
DNP3 w/RS-485	NO	-S123	C
Current & Voltage Inputs			
0-5 A ac and 120 V ac	NO	-X-X	0
0-1 A ac and 120 V ac	NO	-CI1-X	1
Display			
Standard LED	NO	N/A	0
Aluminum Faceplate			
Clear 3-Wire	NO	-X	1P
Black 3-Wire	YES	-B1	HP
Clear 4-Wire	NO	-X	1N
Black 4-Wire	YES	-B1	HN
Frequency			
60 Hz	NO	-X	00
50 Hz	NO	-F5	10

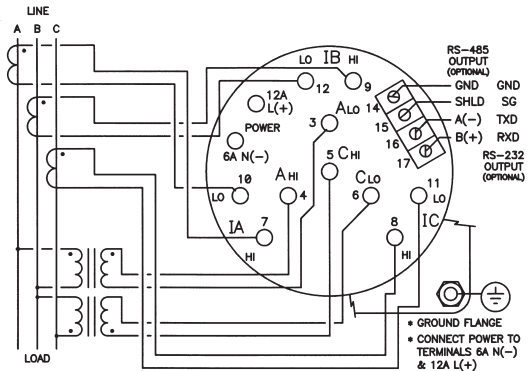
Build order number by choosing base model number and then one new option code selection for each option type. An example: MTWIE1B2A001N00

Quantity and Type of Inputs Selection Table			
Electric System	3-Wire	4-Wire	
Elements	2	2½	3
Base Model	MTWIE2B	MTWIE3B	MTWIE1B
Current Inputs	2 or 3	3	3
Voltage Inputs	2 (L-L)	2 (L-N)	3 (L-N)

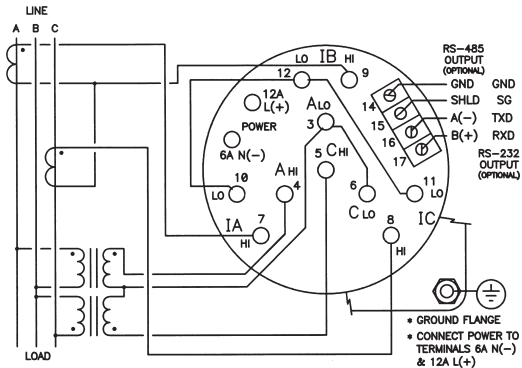
Note: Specify CT and PT ratios if want preset at factory otherwise defaults (5:5 CT and 1:1 PT) will be provided.



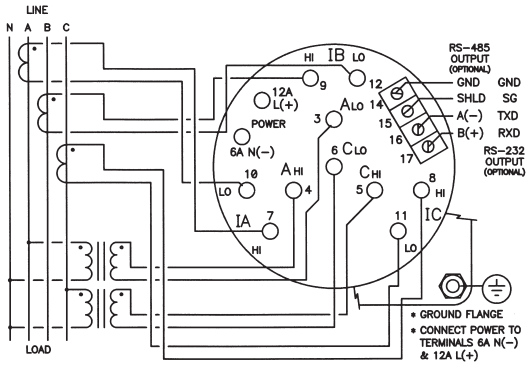
Typical connection diagram for 3-Element MTWIE1B Multifunction Meters (Common PT return shown)



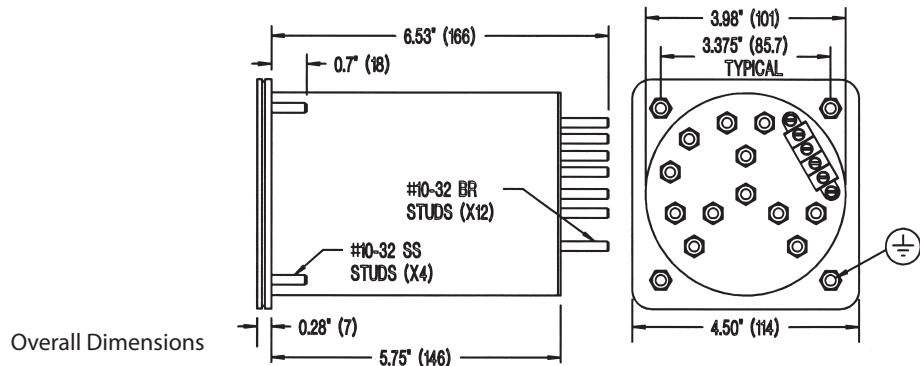
Typical connection diagram for 2-Element MTWIE2B Multifunction Meters



Typical connection diagram for 2-Element MTWIE2B Multifunction Meters when only two CT's are available (Common PT return shown)



Typical connection diagram for 2½-Element MTWIE3B Multifunction Meters (Separate PT return shown)



Contact: