

Modbus Plus Port

RS-485 Port

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

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

Element switch: Element-switch is field selectable for complete range of 3-Wire and 4-Wire systems within one instrument. (See Table.)

Current Inputs: Full transformer isolation. (See Table.)

Voltage Inputs: Full transformer isolation. (See Table.)

Energy Scaling: Scaling for primary-side energy values when connected to CTs is provided through a CT ratio written into a register over the network.

Certification: Meets IEC1010 standards and is certified by Underwriters Laboratory to meet UL and CSA standards.

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

Mechanical: 5.3" x 5.3" Base x 5.6" high metal case.

Quantity and Type of Inputs Selection Table		
Electric System	3-Wire	4-Wire
Element Switch	2	2½
Current Inputs	2 or 3	3
Voltage Inputs	2 (L-L)	2 (L-N)
Voltage Input-Base Models		
240/208/120Y System	MTWIN1B	MTWIN1B
480/277Y System	MTWIN2B	MTWIN2B

Note: Specify CT ratio if want preset at factory otherwise default (5:5) will be provided.

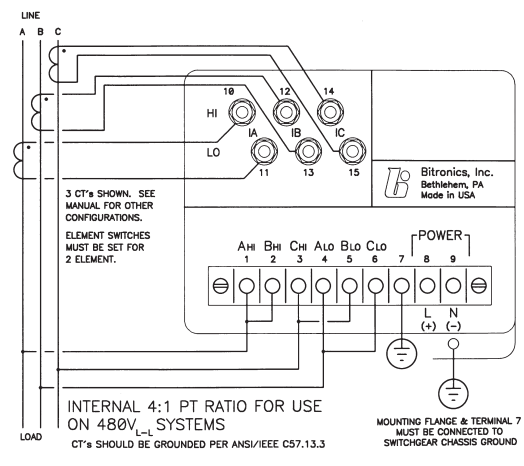
RT C with DNP3, Modbus, or Modbus Plus
Direct Connect for Low Voltage Systems

Order Number = Base Model + 6 Option Codes

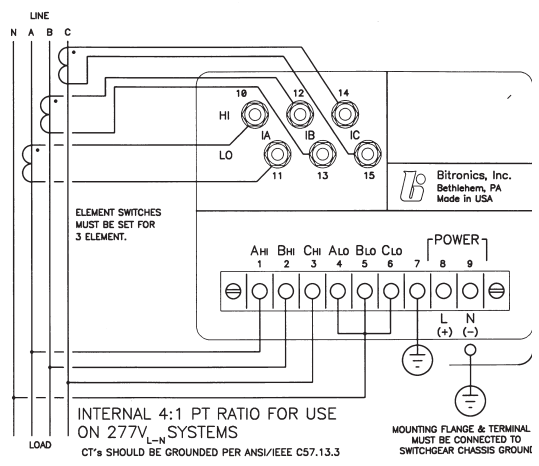
Select Base Model	
AC Connection, Voltage Range	Base Model
0-375 V ac Inputs	MTWIN1B
0-520 V ac Inputs	MTWIN2B

Select New Option Codes			
Optional Functions	Price Adder	Old Option Codes	New Option Codes
Auxiliary Power			
115 V ac	NO	-VA5	0
230 V ac	NO	-VA3	1
24-250 V dc/115 V ac	YES	-VD10	2
Network Connections			
Modbus Plus	YES	-S500	0
Modbus RTU w/RS-232	NO	-S510	1
Modbus RTU w/RS-485	NO	-S520	A
DNP3 w/RS-232	NO	-S530	B
DNP3 w/RS-485	NO	-S540	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			
None	NO	N/A	0
Aluminum Faceplate			
None	NO	N/A	00
Frequency			
60 Hz	NO	-X	00
50 Hz	NO	-F5	10

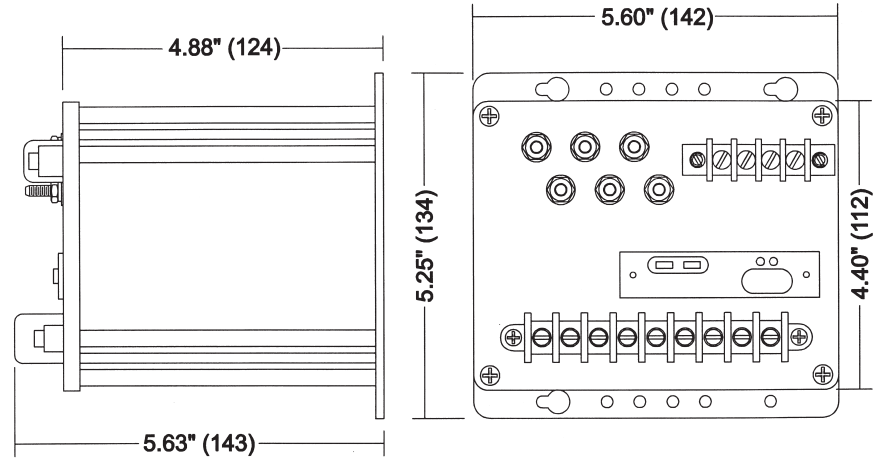
Build order number by choosing base model number and then one new option code selections for each option type. An example: MTWIN1B2C000000..



Typical connection diagram for 2-Element (DELTA) Mode, MTWIN2B shown. MTWIN1B similar, except 2:1 internal PT ratio for use on 240/208 V L-L systems.



Typical connection diagram for 3-Element (WYE) Mode, MTWIN2B shown. MTWIN1B similar, except 2:1 internal PT ratio for use on 120 V L-N systems.



RS-232/485 Port shown. Same dimensions for Modbus Plus Port.