

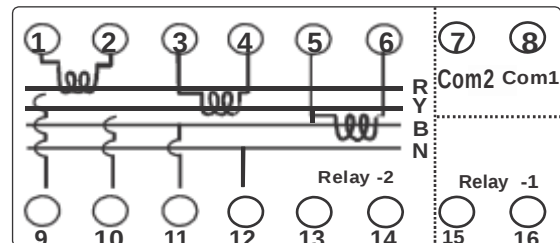


MODEL NO: TMCB 049

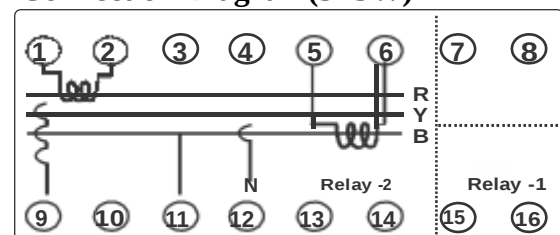
Display parameter sequence

Display Parameters		Action with keys
Avg L-N Voltage Avg Current Frequency	XXX.X X.XXX XX.XX	Up(↑) & down(↓) key is used to see the parameter.
Avg L-L Voltage Avg Current Power Factor	XXX.X X.XXX X.XX	
R-Y-B Combined kW R-Y-B Combined kVA Power Factor	XX.X XX.X X.XX	
R-Y-B Combined kW R-Y-B Combined kVA R-Y-B Combined kVA	XX.X XX.X XX.X	
Press Page key		
Instance Parameters	INST PARA	
Line Voltage b/w R&Y Line Voltage b/w Y&B Line Voltage b/w B&R	XXX.X XXX.X XXX.X	Up(↑) & down(↓) key is used to see the parameter.
R-Phase Voltage Y-Phase Voltage B-Phase Voltage	XXX.X XXX.X XXX.X	
R-Phase Current Y-Phase Current B-Phase Current	X.XXX X.XXX X.XXX	
R-Phase Power factor Y-Phase Power factor B-Phase Power factor	X.XX X.XX X.XX	
R-phase kW Y-phase kW B-phase kW	XX.X XX.X XX.X	
R-phase kVA Y-phase kVA B-phase kVA	XX.X XX.X XX.X	
RPM	XXXX	
Press Page key		
Intg Parameters	INTG PARA	
R-Y-B Combined kWh R-Y-B Combined kVAh(Lag) R-Y-B Combined kVAh(Lead) R-Y-B Combined kVAh Running Hours Power On Hours Intr	XXXXXXXX XXXXXXXX XXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXX	
Press Page key		
THD in %	THD	Press enter key(↵)
R-Phase THD Voltage Y-Phase THD Voltage B-Phase THD Voltage	XXX.X XXX.X XXX.X	
R-Phase THD Current Y-Phase THD Current B-Phase THD Current	X.XXX X.XXX X.XXX	
Press Page key		
Set Parameters	SET PARA	
CtP CtS PtP PtS Star/Delta Pole Id Parity Baud rate CP 1 LL 1 HL 1 dL 1 CP 2 LL 2 HL 2 dL 2	XXXX X XXX.X XXX Star XX XXX None XXXX UOLt XXXX XXXX XXX UOLt XXXX XXXX XXX	
Press Page key		
Old INTG PARA		Press enter key(↵)
Old Intg Parameters	XXXXXXXXXX	
R-Y-B Combined kWh R-Y-B Combined kVAh(Lag) R-Y-B Combined kVAh(Lead) R-Y-B Combined kVAh Run Hour	XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXX.XX	
Press Page key		
Press Page key		
Press Page key		

Connection Diagram(3P4W)



Connection Diagram(3P3W)



Programming Mode

	Key Action	Key Indication	Display
1	Press down & enter key together meter goes to programming mode.		Prog PAGE
2	Press enter key, meter prompt for entry of password and default password is 1000.		PASS 0000
3	Now by using up & down key can change value of 1st digit of MSB		PASS 1000
4	Now press enter key four times now meter goes to star/delta connection.		Edit Star
5	Press enter key, it goes to changeable mode.		Edit Star ¹
6	Down key is used to select star mode and up key is used to select delta mode.		Edit Delta
7	Press page key, goes to in CT primary mode.		Edlt CtP 0200
8	Press enter key "1" appear at second display of FND		Edlt CtP1 0200 ¹
9	By using up & down key can change value of first digit of MSB		Edlt CtP 1200 ¹
10	Press enter key "2" appear at second display of FND,		Edlt CtP2 1500
11	now by using up & down key can change second digit from MSB & so on.		Edlt CtP 1500
12	Press page key, meter goes to CT secondary mode.		Edlt CtS 5
13	Press enter key "1" appear at second display of FND		Edlt CtS1 5
14	Down key is used to select secondary CT 1 and up key is used to select secondary CT 5.		Edlt CtS1 5
15	Press page key, now meter goes to PT primary mode. in Delta connection PT primary is in kilowatt and in Star connection in volt. if user select Delta, A LED of 'k' glow.		Edlt PtP 415.0
16	By using step 6,7,8 & 9 can set value of PT primary		Edlt PtP 415.0
17	Press page key, meter goes to PT secondary mode.		Edlt PtS 415.0

Programming Mode

	Key Action	Key Indication	Display
18	By using step 6,7,8 & 9 can set value of PT secondary.		EdIt PtS 415.0
19	Press page key, meter goes to No. of pole selection mode.		EdIt Pol 04
20	By using step 6,7,8 & 9 can set value of no. of Poles.		EdIt Pol1 04
21	Press page key, meter goes to meter ID selection mode.		EdIt Id 001
22	By using step 6,7,8 & 9 can set value of meter ID.		EdIt Id 1 001
23	Press page key, meter goes to parity mode. Default parity is 'none' (fixed).		EdIt parity none
24	Press page key, meter goes to baud rate selection mode.		Baud 1200
25	Press enter key to change the setting of baud rate.		EdIt Baud 1200
26	By using up and down key select desired baud rate.		EdIt Baud 1200
27	Press page key, meter goes to CP 1 selection mode.		EdIt CP1 UOLt
28	By using step 6,7,8 & 9 can change different control setting.		EdIt CP1 UOLt
29	Press page key, meter goes to LL 1 selection mode.		EdIt LL 1 0200
30	By using step 6,7,8 & 9 can Set different Lower Limit values.		EdIt LL 1 0200
31	Press page key, meter goes to HL 1 selection mode.		EdIt HL 1 0250
32	By using step 6,7,8 & 9 can Set different higher Limit values.		EdIt HL 1 0250
33	Press page key, meter goes to dly 1 selection mode.		EdIt dly 1 010
34	By using step 6,7,8 & 9 can Set dly setting which is in seconds .		EdIt dly 1 010
35	Press page key, meter goes to CP 2 selection mode.		EdIt CP2 UOLt
36	By using step 6,7,8 & 9 can change different control setting.		EdIt CP2 UOLt
37	Press page key, meter goes to LL 2 selection mode.		EdIt LL 2 0200
38	By using step 6,7,8 & 9 can Set different Lower Limit values.		EdIt LL 2 0200
39	Press page key, meter goes to HL 2 selection mode.		EdIt HL 2 0250
40	By using step 6,7,8 & 9 can Set different higher Limit values.		EdIt HL 2 0250
41	Press page key, meter goes to dly 2 selection mode.		EdIt dly 2 020
42	By using step 6,7,8 & 9 can Set dly setting which is in seconds .		EdIt dly 2 020
43	Press page key, meter goes to clear option of intg parameters energy,run hour,power on hour.		Clr intg
44	Press enter key to clear intg parameter.		Clr intg ??
45	Down key is used to select 'NO' option and up key is used to select 'YES' option. finally press enter key, to reset all data.		Clr intg YES
46	Press page key, meter goes to save option for all parameters.		Save
47	Press enter key.		EdIt Save
48	By using up and down key select the option of YES/NO. finally press the enter key to save all data.		EdIt Save YES

