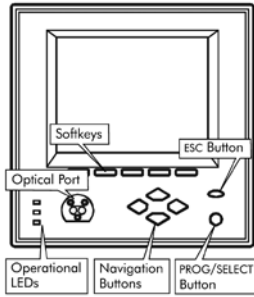
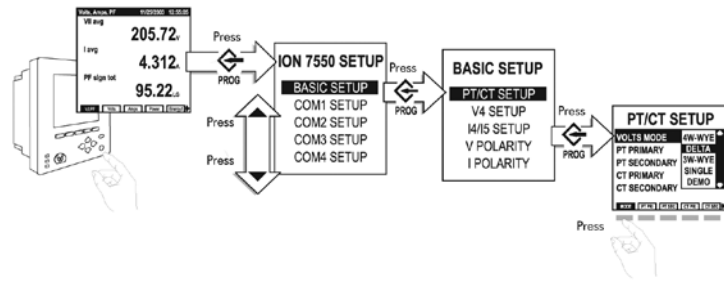


PowerLogic® ION7550

Quick Reference Guide



Keypad Operation



Configurable Settings

MENU	SETTING	DESCRIPTION	RANGE (VALUES)	Default
BASIC SETUP	VOLTS MODE	The power system's configuration – WYE, DELTA, etc.	4W-WYE DELTA 3W-WYE SINGLE DEMO	4W-WYE
	PT PRIMARY	The Potential Transformer's primary winding voltage rating	1 to 999,999.99	120.00
	PT SECONDARY	The Potential Transformer's secondary winding voltage rating	1 to 999,999.99	120.00
	CT PRIMARY	The Current Transformer's primary winding current rating	1 to 999,999.99	5.00
	CT SECONDARY	The Current Transformer's secondary winding current rating	1 to 999,999.99	5.00
	V4 PRIMARY	The Potential Transformer's primary winding voltage rating on V4	1 to 999,999.99	120.00
	V4 SECONDARY	The Potential Transformer's secondary winding voltage rating on V4	1 to 999,999.99	120.00
	I4 PRIMARY	The Current Transformer's primary winding current rating on I4	1 to 999,999.99	5.00
	I4 SECONDARY	The Current Transformer's secondary winding current rating on I4	1 to 999,999.99	5.00
	I5 PRIMARY	The Current Transformer's primary winding current rating on I5	1 to 999,999.99	5.00
	I5 SECONDARY	The Current Transformer's secondary winding current rating on I5	1 to 999,999.99	5.00
	Va POLARITY	The polarity of the Potential Transformer on Va	Normal or Inverted	Normal
	Vb POLARITY	The polarity of the Potential Transformer on Vb	Normal or Inverted	Normal
	Vc POLARITY	The polarity of the Potential Transformer on Vc	Normal or Inverted	Normal
	V4 POLARITY	The polarity of the Potential Transformer on V4	Normal or Inverted	Normal
	Ia POLARITY	The polarity of the Current Transformer on Ia	Normal or Inverted	Normal
	Ib POLARITY	The polarity of the Current Transformer on Ib	Normal or Inverted	Normal
	Ic POLARITY	The polarity of the Current Transformer on Ic	Normal or Inverted	Normal
I4 POLARITY	The polarity of the Current Transformer on I4	Normal or Inverted	Normal	
I5 POLARITY	The polarity of the Current Transformer on I5	Normal or Inverted	Normal	
CURRENT PROBE TYPE	The type of current probes being used with the meter	Factory Default, User Defined 1, or User Defined 2	Factory Default	
COM1 SETUP	PROTOCOL	The communications protocol	ION, Modbus RTU, Modbus Master, DNP V3.00, GPS: Truetime/Datum, GPS: Arbiter, GPS:Arbiter-Vorne, Factory, Ethergate, ModemGate	ION
	BAUD RATE	The data rate, in bits per second	300, 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200	9600
	TRAN DELAY	The transmit delay in seconds	0 to 1	0.010
	UNIT ID	Every meter on an RS-485 network must have a unique Unit ID number	1 to 9999	101
	MODE	Hardware mode for port	RS232 or RS485	RS232
	FLOW CONTROL	Specifies the handshake mode when COM1 is set to RS232	RTS + DELAY or RTS/CTS	RTS + DELAY
COM 2 SETUP	PROTOCOL	The communications protocol	ION, Modbus RTU, Modbus Master, DNP V3.00, GPS: Truetime/Datum, GPS: Arbiter, GPS:Arbiter-Vorne, Factory, Ethergate, ModemGate	ION
	BAUD RATE	The data rate, in bits per second	300, 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200	9600
	TRAN DELAY	The transmit delay in seconds	0 to 1	0.010
	UNIT ID	Every meter on an RS-485 network must have a unique Unit ID number	1 to 9999	101



MENU	SETTING	DESCRIPTION	RANGE (VALUES)	Default
COM 3 SETUP	PROTOCOL	The communications protocol	ION, Modbus RTU, Modbus Master, DNP V3.00, GPS:Truetime/Datum,GPS: Arbiter, GPS:Arbiter-Vorne, Factory	ION
	BAUD RATE	The data rate, in bits per second	300, 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200	9600
	TRAN DELAY	The transmit delay in seconds	0 to 1	0.010
	UNIT ID	Every meter on an RS-485 network must have a unique Unit ID number	1 to 9999	102.00
	MODE	Hardware mode for port	IRDA or Modem	Modem
	ANSWER HR RINGS	The number of rings during defined answer hours	0 to 255	1
	NON-ANSWER HR RINGS	The number of rings during defined non-answer hours	0 to 255	5
NETWORK SETUP	IP ADDRESS	Sets the IP address for the meter	000.000.000.000 to 999.999.999.999	none
	SUBNET MASK	Used if submetering applies to your network	000.000.000.000 to 999.999.999.999	none
	GATEWAY	Used in multiple network configurations	000.000.000.000 to 999.999.999.999	none
	DNS PRIMARY	Sets the address for the primary DNS Server that is configured to resolve domain names	000.000.000.000 to 999.999.999.999	none
	DNS SECONDARY	Sets the address for the secondary DNS Server that is configured to resolve domain names	000.000.000.000 to 999.999.999.999	none
PQ SETUP	SWELL LIMIT	Specifies the magnitude above which a power system input must rise for a swell to be recorded	100 to 1000	106
	SAG LIMIT	Specifies the magnitude below which a power system input must fall for a sag to be recorded	0 to 100	88
	CHANGE CRITERIA	Specifies the amount by which an input must change during a disturbance to be considered a new sub-disturbance	1 to 100	10
	NOMINAL VOLTAGE ²	Specifies the nominal voltage of the power system	0 to 1,000,000	0
	EVENT PRIORITY	Assigns a priority level to sag/swell events	0 to 255	200
FORMAT SETUP	DIGIT GROUP	Specifies symbols used to delimit thousands and decimal place holder	1000.0 or 1,000 or 1000,0	1000
	VOLTS DECIMAL	Number of decimal places displayed for voltages	1. to 123456789.XXX	1.XX
	CURRENT DECIMAL	Number of decimal places displayed for currents	1. to 123456789.XXX	1.XX
	POWER DECIMAL	Number of decimal places displayed for power measurements	1. to 123456789.XXX	1.XX
	PHASE LABEL	Specifies how phases are labelled	ABC, RST, XYZ, RYB, RWB, 123	ABC
	PF SYMBOL	LD (leading)/LG (lagging)	LD/LG, +/-, CAP/IND	LD/LC
	DATE FORMAT	Specifies how dates are displayed	MM/DD/YYYY, DD/MM/YYYY, YYYY/MM/DD	MM/DD/YYYY
	DISPLAY DST	Specifies whether or not DST is displayed	Yes or No	Yes
DISPLAY SETUP	UPDATE RATE	Sets when the display updates (in seconds)	1 to 6	1
	CONTRAST	Higher numbers are sharper	0 to 9	5
	BLACKLIGHT TIMEOUT	Specifies when the displays dims (in seconds)	0 to 7200 (two hours)	300
	TZ OFFSET	Sets the time zone of the meter's location, relative to UTC	- 12:00 to +13:00	+00:00
	DST OFFSET	Sets the daylight savings time offset of the meter's location	-3:00 to +3:00	+00:00
	SYNC SOURCE	Sets the port to receive time synchronization signals	Ethernet, COM1, COM2, COM3	COM1
SECURITY SETUP	SYNC TYPE	Specifies whether time sync signals are received in local time or UTC	Local Time or UTC	UTC
	CLOCK SOURCE	Specifies time sync source	Line Freq, Internal or COMM	Line Freq
	LOCAL DATE	Sets the local date	Same format as specified in Date Format setting	
	LOCAL TIME	Sets the local time		
	PASSWORED	Sets the meter password	00000000 to 99999999	00000000
	ENABLED	Enables or disables security on the meter	Yes or No	No
	WEB CONFIG	Enables or disables web browser configuration of the meter	Enabled or Disabled	Enabled
	WEB ACTIVE	Enables or disables internal web server on the meter	Yes or No	Yes