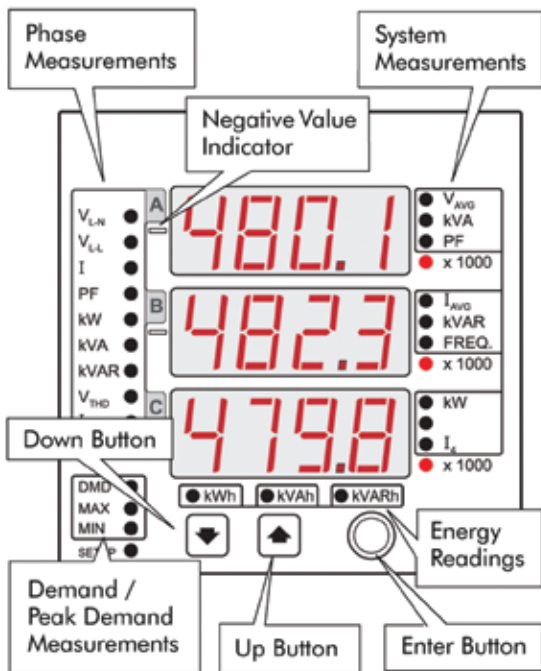


# PowerLogic® ION6200 Quick Reference Guide

## Configurable Settings

### Keypad Operation



	String	Description	Range (Values)	Default
Mode	<i>LYPE</i>	Volts Mode	4W (4-Wire WYE) dELt (Delta) 2W (Single Phase) dEM (Demonstration) 3W (3-Wire WYE) dELd (Delta Direct)	Delta Direct
	<i>PE1</i>	PT1 (Primary)	1 to (65.53 x 1000 LED)	480
	<i>PE5</i>	PTS (Scaling) <sup>1</sup>	1 (x 1); 1000 (x 1000)	x1
PTs	<i>PE2</i>	PT2 (Secondary)	1 to (65.53 x 1000 LED)	480
	<i>CE1</i>	CT1 (Primary)	1 to (65.53 x 1000 LED)	400
CTs	<i>CE2</i>	CT2 (Secondary)	1 to (65.53 x 1000 LED)	5
	<i>UPL1</i>	V1 Polarity (Phase 1 voltage polarity)	nor (Normal); inv (Inverted)	Normal
Polarity	<i>UPL2</i>	V2 Polarity (Phase 2 voltage polarity)	nor (Normal); inv (Inverted)	Normal
	<i>UPL3</i>	V3 Polarity (Phase 3 voltage polarity)	nor (Normal); inv (Inverted)	Normal
	<i>CPL1</i>	I1 Polarity (Phase 1 current polarity)	nor (Normal); inv (Inverted)	Normal
	<i>CPL2</i>	I2 Polarity (Phase 2 current polarity)	nor (Normal); inv (Inverted)	Normal
	<i>CPL3</i>	I3 Polarity (Phase 3 current polarity)	nor (Normal); inv (Inverted)	Normal
	<i>dPr</i>	Demand Sub Interval	1 – 60 min	15
Demand	<i>ndPr</i>	Number of Demand Periods	1 – 5	1
	<i>Prot</i>	Protocol <sup>2</sup>	PML <sup>3</sup> ; Mod (Modbus RTU)	Modbus
Communications	<i>bAud</i>	Baud Rate	1200, 2400, 4800, 9600, 19200	9600
	<i>un id</i>	Unit ID	1 – 247	based on the serial number <sup>4</sup>
	<i>rE5</i>	RTS Delay	0 – 1000 milliseconds	20



by Schneider Electric

	String	Description	Range (Values)	Default
Modbus Scaling	<i>PUS</i>	Voltage Scale <sup>5</sup>	0.001, 0.01, 0.1, 1, 10, 100, 1000	10
	<i>PCS</i>	Current Scale <sup>5</sup>	0.001, 0.01, 0.1, 1, 10, 100, 1000	10
	<i>PPS</i>	Power Scale <sup>5</sup>	0.001, 0.01, 0.1, 1, 10, 100, 1000	1
	<i>PnS</i>	Neutral Scale <sup>5</sup>	0.001, 0.01, 0.1, 1, 10, 100, 1000	10
Digital Outputs	<i>out 1</i>	Output Mode Digital #1	(k)Wh Del., (k)VAh, (k)VARh Del., (k)Wh Rec., (k)VARh Rec. See note <sup>6</sup> Ext 1 <sup>7</sup> , Ext 2 <sup>7</sup>	(k)Wh <sup>6</sup>
	<i>tc 1</i>	Time Constant 1 (kT) <sup>8</sup>	0.1 – 999.9 (only 1 digit after the decimal pt. permitted)	1.0
	<i>out 2</i>	Output Mode Digital #2	(k)Wh Del., (k)VAh, (k)VARh Del., (k)Wh Rec., (k)VARh Rec. See note <sup>6</sup> Ext 1 <sup>7</sup> , Ext 2 <sup>7</sup>	(k)VARh <sup>6</sup>
	<i>tc 2</i>	Time Constant 2 (kT) <sup>8</sup>	0.1 – 999.9 (only 1 digit after the decimal pt. permitted)	1.0
Display	<i>dscr</i>	Display Scroll Time	0 – 30 seconds (0 = disable)	0
	<i>dUPd</i>	Display Refresh Period	1 – 6 seconds	2
Security	<i>PSEt</i>	Password	0 – 9999	0

Notes:

- 1 For a meter with the Megawatt option, PTS must be set to “x1000.”
- 2 Protocol must be set to Modbus for meter to act as Modbus Slave.
- 3 ION compatible protocol for use with an ION Enterprise system and other ION meters.
- 4 The default Unit ID is 100 plus the last two digits of the serial number (before the last dash).  
For example, S/N:HA-050300456-03 Unit ID:156
- 5 These settings should not be changed from default unless the Modbus protocol is being used.
- 6 The units displayed on the front panel are Wh, VAh, and VARh with actual values of kWh, kVAh, and kVARh respectively. kWh Rec. and kVARh Rec. are represented by a lit “minus” (negative value) LED.
- 7 In Ext 1 or Ext 2 mode, the digital outputs are reserved for digital control.
- 8 Time Constant, sometimes called kT, is the number of units (kWh, kVAh, kVARh) per output transition. The digital output uses KY pulsing. This means that the relay changes from open to closed or from closed to open whenever kT units have been measured (20 transitions/second maximum).