

6000-count 3-Phase PowerClamp™ Series Communication Protocol

***COM Port Communication Protocol:**

(Baud rate, Parity, Data bits, Stop bit) = (9600, N, 8, 1)

Command:

Set RQS pin of COM port to 0 for 1ms

Recommended program flow.

1. Initiate COM port
 2. Wait for 100ms
 - 3. Set RQS=1**
 4. Set (baud rate, parity, data bit, stop bit) = (9600, N, 8, 1)
 5. Locate 20 RXD buffers
 6. Clear RXD buffers
 - 7. Set RQS=0**
 - 8. Wait for 1ms**
 - 9. Set RQS=1**
 10. Check & read RXD buffers
 11. Decode RXD 1st ~ 11th buffers (see Figure 1 & Table 1)
 12. Repeat STEP #6 ~ #11 to get next reading

Figure 1

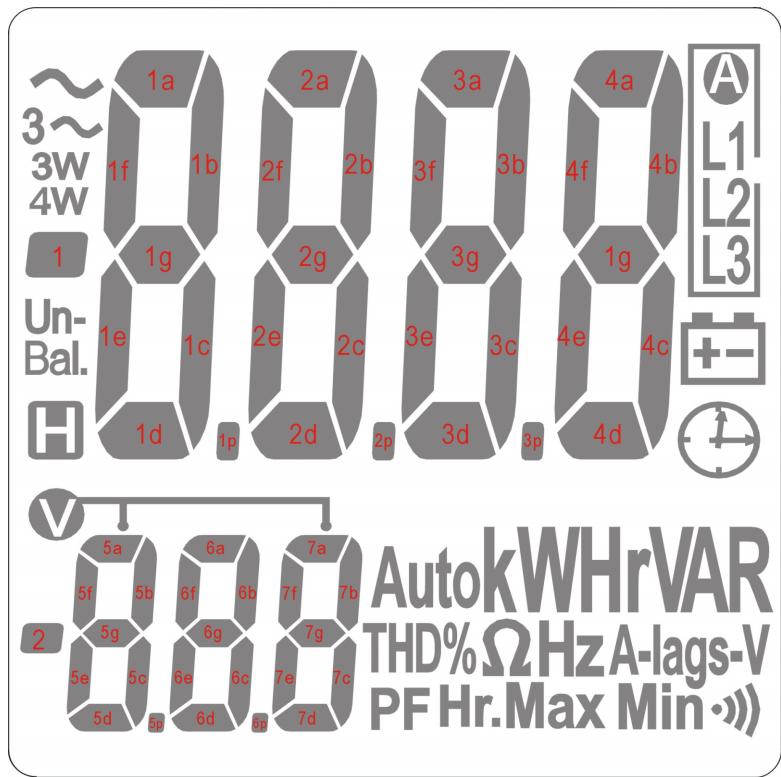


Table 1. LCD Map

1: On

0: Off

x: Don't care

Example: While LCD reading is "3-phase, 127.5kW with PF= 0.75 and A-lags-V", 20 data bytes are "D7H, 59H, E3H, 20H, 50H, B5H, 51H, EBH, 80H, C0H, 80H, xxH, xxH, xxH, xxH, xxH, xxH, xxH, xxH, xxH, xxH"

