

2.3 Location of Modules

The PM180 provides a total of 6 modules slots: 3 fixed slots for COLTAGES, CPU and CURRENTS factory installed modules and 3 general purpose field installable "hot swap" modules slots (slot #1, #2 and #3) for input/output, measurement and communication optional modules. Any type of optional module can be installed in any slot

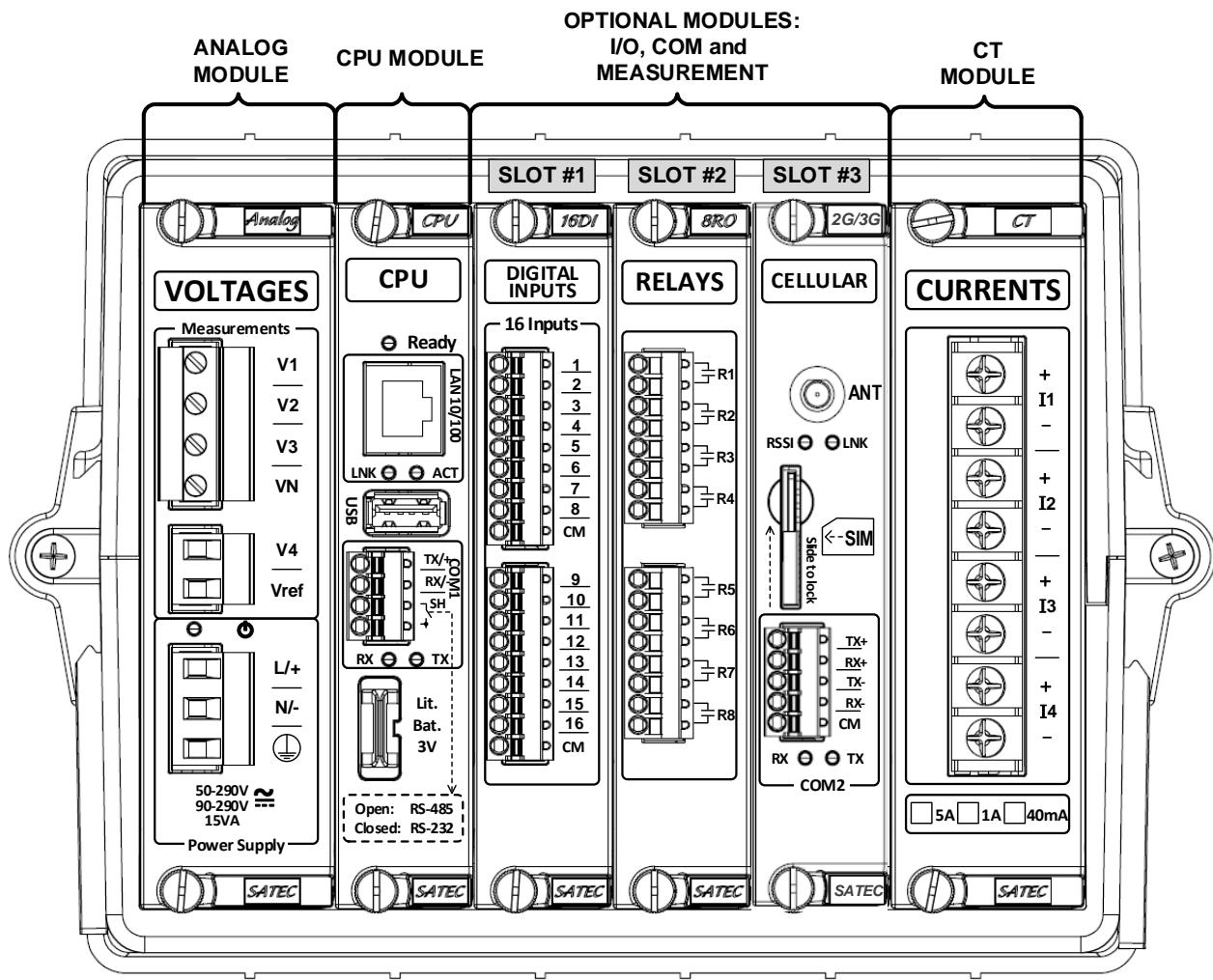


Figure 2-25: Location of Modules

Chapter 3 Serial Communications

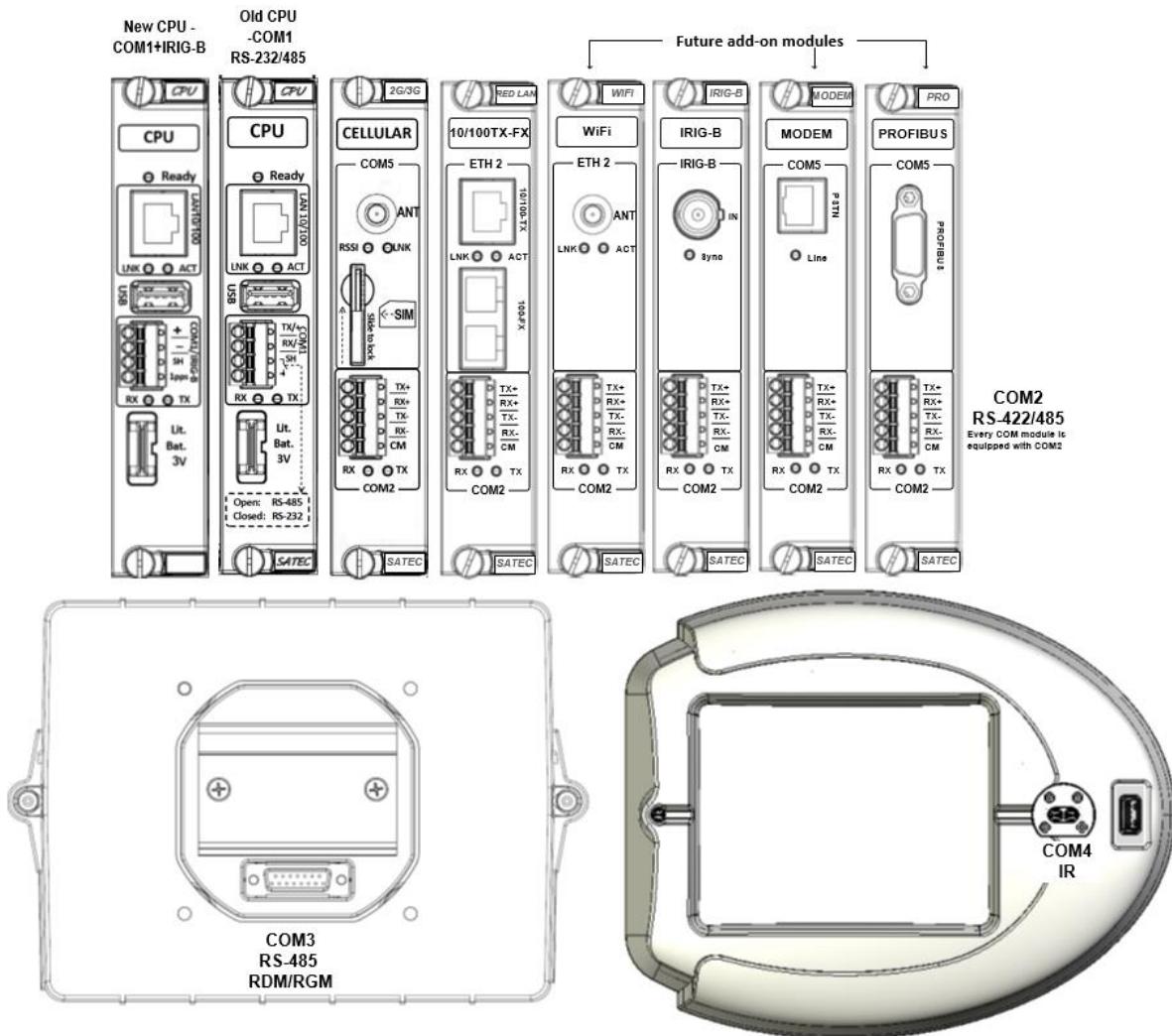


Figure 3-1

Figure 3-1: RS-232/RS-422/RS-485 ports location

COM1¹, RS-232/485 versatile port is provided CPU module.

COM2², RS-422/485 port is provided by a number of Communication modules: CELLULAR, TXFX, WiFi, PROFIBUS and IRIG-B.

COM3, RS-485 port communicates with any SATEC remote display: RGM180 or RDM.

COM4, IR port is provided in the RGM180 display when directly attached to the PM180.

COM5¹, RS-232 to communicate with modules to activate following modules communication ports: MODEM port, PROFIBUS port and CELLULAR port.

¹ COM1: RS-485 only from PM180 N3 version

² WiFi, MODEM and PROFIBUS communication modules are not available – future options, contact SATEC for more details.

Computer Connections – RS-232 (COM1)

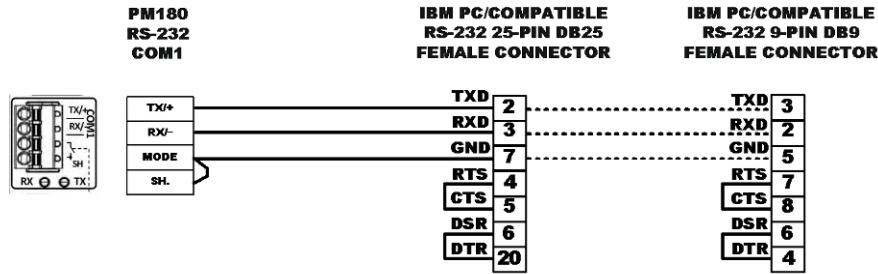


Figure 3-2: RS-232 Simple 3-wire Connection, 9-pin and 25-pin female

External Modem Connections

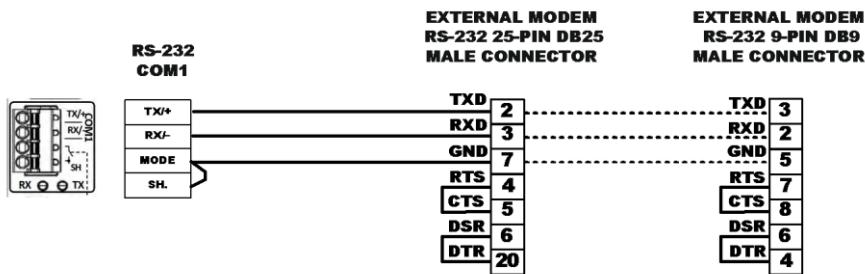


Figure 3-3: RS-232 Simple 3-wire Connection, 9-pin and 25-pin female

Initialization String: ATS0=1&D0&K0&W0

Computer Connections – RS-485 (COM1), RS-422/485 (COM2)

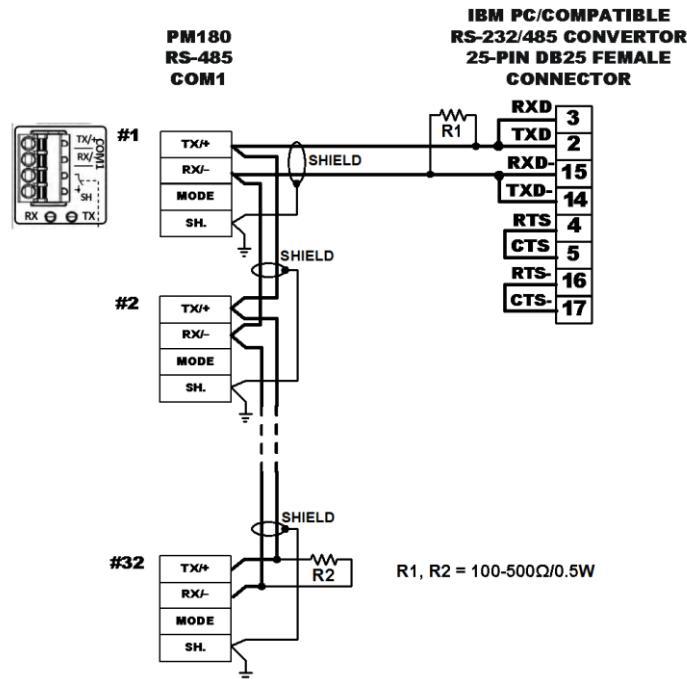


Figure 3-4: RS-485 Multidrop COM1 Connection, 25-pin PC Port

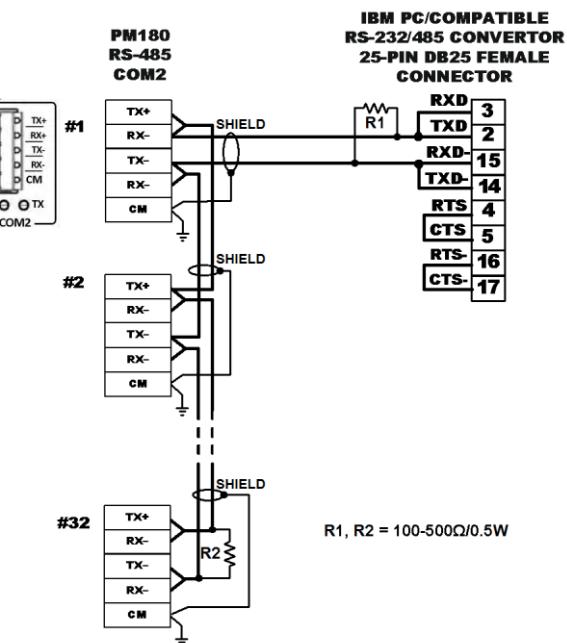


Figure 3-5: RS-485 Multidrop COM2 Connection, 25-pin PC Port

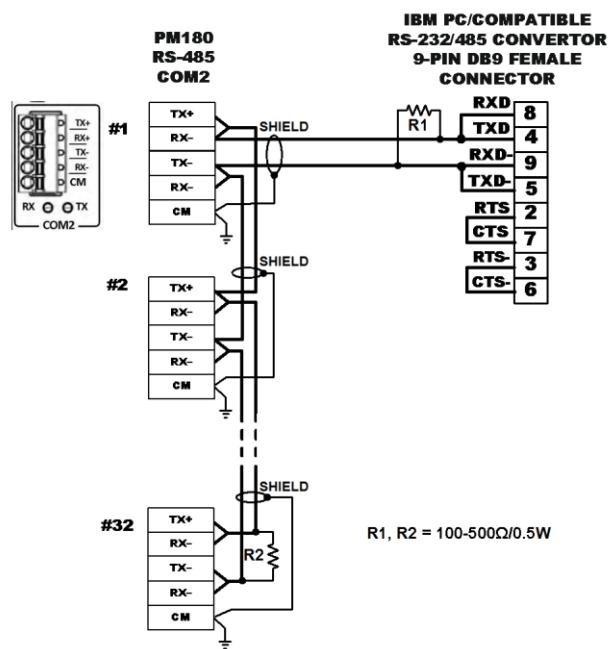


Figure 3-6: RS-485 Multidrop COM2 Connection, 9-pin PC Port

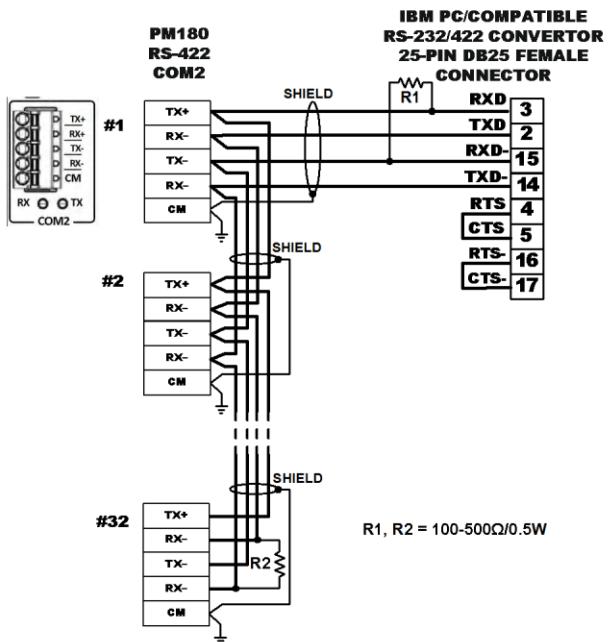


Figure 3-7: RS-422 Multidrop COM2 Connection, 25-pin PC Port

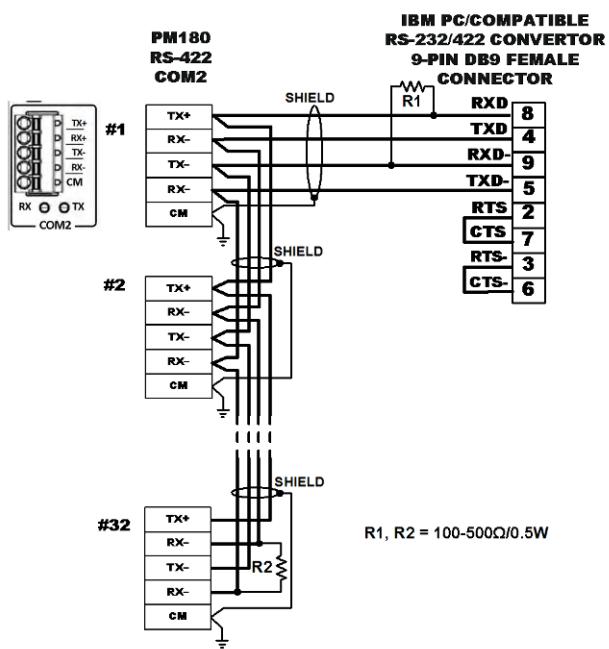


Figure 3-8: RS-422 Multidrop COM2 Connection, 9-pin PC Port