

1.3.22.21 System Security

The CPU shall have a memory protect key switch together with passwords to provide different levels of access privilege for the PLC when the programmer is in On-line.

1.3.22.22 Display Unit

- A. The stand-alone panel mounted Display Unit where specified, shall be serially interfaced with PLC within the MCC for local control and monitoring function that meets and/or exceeds the requirement as stated below:
- B. The display unit shall be back-lit with touch screen LCD coloured, high performance pixel graphics flat panel capable of providing process information by using variety of communication protocols via Modbus, Profibus, DH-485, Device net, DH+ etc. to name few.
- C. Following are the minimum features the display unit must be capable of supporting.
- D. Remote downloads (via network, gateway etc.)
 - a. Screen Security
 - b. Built-in alarm functionality with enhanced alarming capability
 - c. Floating point file support
 - d. Touch pad buttons
 - e. Universal Language Support
 - f. Bar and trend graph
 - g. Real-time clock
 - h. ASCII input and display
 - i. Ethernet/IP Communication
 - j. Expandable Application Memory
 - k. Window based configuration software
 - l. Serial com port for PLC communication
 - m. Serial com port for Printer
 - n. Minimum resolution 240 x 128 pixel
 - o. Suitable for 230 V AC/24 V DC