

Smart Building Terminal Box Installation



Overview

Smart Building Install Guide | PACOM DocsBefore wiring, the primary task is to determine the location of the machine room and the position of the wall-mount.

Key Takeaways

SmartTerminal boxes should be installed at accessible heights, with proper RS485 communication and 27VDC power connections, ensuring secure mounting and operational readiness. Mounting and PlacementSmartTerminal enclosures can be flush or surface mounted and should be installed in areas free from damp, salt-air, water ingress, extreme temperatures, or physical abuse. The indicators should be positioned at eye level for easy monitoring, and the front door of ABS enclosures is secured with clips and a special locating key for controlled access.

Electrical and Communication Connections

Each Smart

Terminal requires a Termination Board to interface with the RS485 communications bus and provide 27VDC power to the LCD and control boards.

If the FAC

P communications bus is fully utilized, a Communications Extender Board may be necessary. All terminals support 2.5mm² cables, and proper wiring ensures reliable communication with the FireFinder FACP.



Configuration and Operation
Power-Up: When powered, the LCD displays initialization messages. **Address Setting:** Set the SmartTerminal address to match the FACP configuration. **Normal Operation:** Once communication is established, the terminal enters the Normal state, indicated by the front panel power light.

Fault Handling: If a failure occurs during power-up, press the RESET button on the LCD PCB and verify the address.

User Controls

The front panel provides tactile and audible feedback for operations such as alarm reset, silencing, and limited control functions. Access to operational controls is managed via a key-switch, allowing secure user interaction.

The LC

D backlight activates when alarms are present, a key is pressed, or controls are enabled. **Integration Considerations** SmartTerminals are designed to connect to FireFinder FACP systems, reporting events from devices according to the FACP's global or local configuration. Proper integration ensures that alarms, faults, and operational statuses are accurately monitored and controlled by local personnel.

Best Practices

Ensure secure and accessible mounting. Verify RS485 communication and 27VDC power connections. Confirm addressing and operational state before leaving the installation.

Protect the terminal from environmental hazards and unauthorized access. Use prefabricated or pluggable distribution boxes for decentralized installations in smart buildings to optimize wiring and reduce installation time. Following these steps ensures a reliable, safe, and fully operational SmartTerminal installation within a smart building environment.

Article Content

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