

Application Note 3006

Emergency Shutdown

Note

Local code takes precedence over all other recommendations within or outside this document.

Life safety shutdown: This can *only* be accomplished by breaking incoming line voltage to the indoor or outdoor units. See below for details.

- M- & P-Series Indoor Units
 - Break S1, S2, and S3
- M- & P-Series Outdoor Units
 - Break L1 and L2
- City Multi Indoor Units
 - Break L1 and L2
- City Multi S-Series Outdoor Units
 - Break L1 and L2
- City Multi Y- & R2-Series Outdoor Units
 - Break L1, L2, and L3

Notes:

- None of the connectors on the indoor and outdoor unit control boards are rated for life safety shutdown, nor for emergency shutdown. Remote ON/OFF connectors should only be used to control the ON/OFF status during a non-emergency situation.
- Interrupting the incoming power to the indoor unit will turn it OFF, but M-NET communication will still function between the outdoor unit and the Central Controllers.

Please see the next page for additional shutdown methods on City Multi systems, which are not rated for life safety shutdown.

Emergency Shutdown Input through Centralized Controllers

Centralized Controllers include emergency shutdown input point that will stop the operation of all indoor units.

The external input/output adapter PAC-YG10HA is required for:

- External input/output with CN5 on Centralized Controllers AE-200A, AE-50A, & EW-50A. Figure 1 displays the wiring diagram for both the CN5 and CN2.

The external input/output adapter PAC-YT51HAA is required for:

- External input/output with CN2 on Centralized Controller TC-24 (see Figure 2)

Indoor units require a manual ON command from the remote controller or the Centralized Controller to restart after the emergency shutdown signal is cleared.

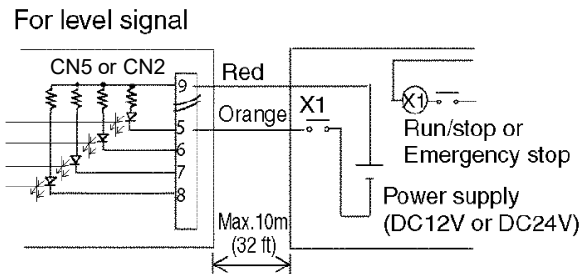


Figure 1. CN5 Wiring Diagram for the Centralized Controllers AE-200A, AE-50A, and EW-50A

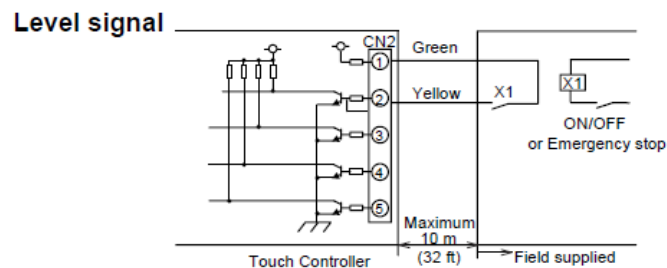


Figure 2. CN2 Wiring Diagram for the Centralized Controller TC-24

Setting the External Input/Output Emergency Stop Function on Centralized Controllers

Set external input (CN5 for the AE-200A/AE-50A) function for emergency shutdown through the “Initial Settings” page of the Centralized Controllers

1. Select the “Emergency Stop (Level Signal)” on the “Initial Setting Browser Basic System” page for the Centralized Controller as shown in Figure 3.



Figure 3. Initial Setting Browser

2. If an AE-200A is installed, go to the “Initial Settings” of the touch screen and make your selection on the “Network” page as shown in Figure 4.

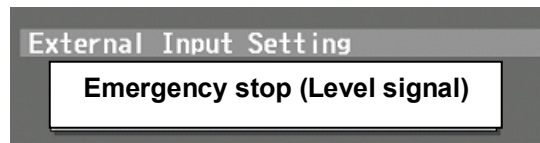


Figure 4. Initial Settings on an AE-200A touch screen

3. If a TC-24 is installed, go to the “Initial Settings” of the touch screen and make your selection on the “Basic System” page as shown in Figure 5.

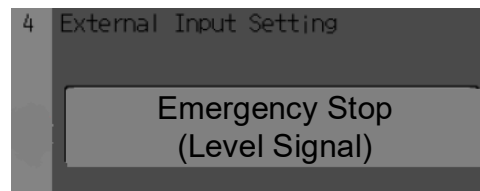


Figure 5. Initial Settings on a TC-24 touch screen

During emergency shutdown, functions usually accessible through the Centralized and remote controllers such as ON/OFF are prohibited.