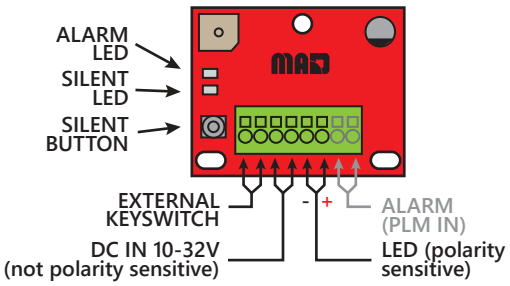
Alarm Board Wiring

For Emergency Phone Systems

OPERATING INSTRUCTIONS

The MAD Alarm Board can be used in conjunction with an emergency phone system, providing visible and audible alerts in the event of an error condition.



When power is present at DC IN, the alarm board will flash the ALARM LED and play an alarm sound once every 20 seconds. Pressing the SILENT button or closing the contacts of the external keyswitch will make the alarm silent for 24 hours; the SILENT LED will light continuously. The ALARM LED will continue to flash even when the alarm is silent. If the power is interrupted, the alarm will resume when power returns.

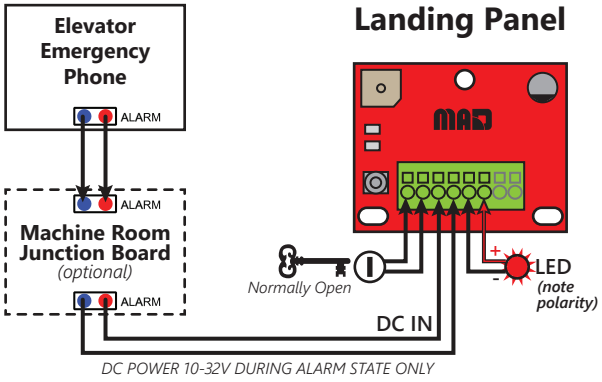
To change the volume of the alarm sound, hold the button (or keyswitch) continuously until the alarm is at the desired volume, then release.

The ALARM (PLM IN) terminals are optional depending on the model of phone being used. When the ALARM (PLM IN) contacts are open, the board will work as described above, with visual and audible alerts. When the contacts are closed, the alarm sound and ALARM LED will remain off, and the SILENT LED will flash once every 4 seconds to indicate that the board is ready and waiting for an alarm signal.

WIRING STYLE 1

K-Tech®, Rath®, or similar

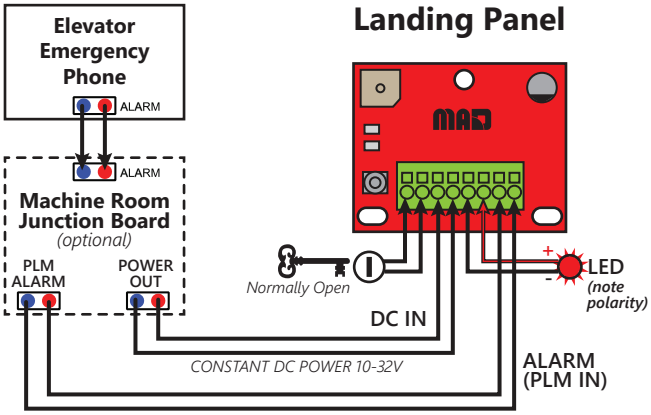
Use when the emergency phone system provides a switched DC power source that is enabled when an error condition occurs.



WIRING STYLE 2

EmerCom®, Webb®, or similar

Use when the emergency phone system provides a constant DC power source, and opens a separate set of ALARM or PLM contacts when an error condition occurs.



TROUBLESHOOTING INSTRUCTIONS

- To test the Alarm Board, look for a test function on the emergency phone system or disconnect the phone line from the emergency phone. This should cause the LED to flash and the alarm to sound.
- If the Alarm Board is playing tones with constantly cycling volume, verify that the key switch is not Normally Closed instead of Normally Open. Also verify that only momentary contacts are used.
- Verify outputs of phone system are operating as expected:
    - For wiring style 1, there should be no voltage in normal state, and DC 10-32V in alarm state.
    - For wiring style 2, there should be constant 10-32V DC on the power wires. The Alarm/PLM wires should be dry contacts that are closed in normal state and open in alarm state.

For more information, please contact customerservice@madelevator.com

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