

# Alarm Board Wiring

## For Rath SmartPhone

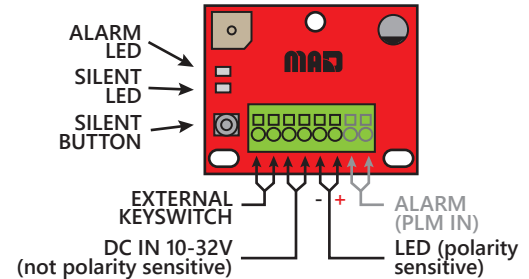


### OPERATING INSTRUCTIONS

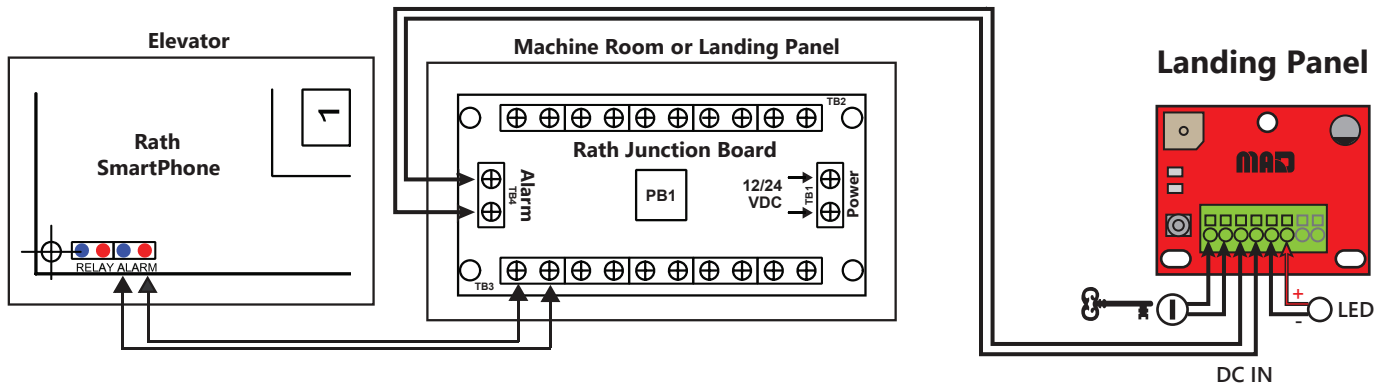
When power is present at DC IN, the alarm board will flash the ALARM LED and play an alarm sound once every 20 seconds. Pressing the SILENT button or closing the contacts of the external keyswitch will make the alarm silent for 24 hours; the SILENT LED will light continuously. The ALARM LED will continue 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) until the alarm is the desired volume, then release.

The ALARM (PLM IN) terminals are optional; they are typically not used when connecting to a RATH® SmartPhone. When the ALARM (PLM IN) contacts are open, the board will work as described above. When they are closed, the alarm sound and ALARM LED will remain off, and the SILENT LED will flash once every 4 seconds.



### WIRING



### INSTALLATION INSTRUCTIONS

- Run one set of wires (22-24ga shielded recommended) from the screw terminals labeled ALARM on the RATH® SmartPhone to any of the paired sets of terminals labeled TB2 or TB3 on the Junction Board. Up to 10 phones can be connected to a single Junction Board. The Junction Board can be mounted in the machine room or by the Alarm Board at the landing panel.
- Connect 24vdc to the terminal labeled Power on the Junction Board. The terminals are not polarity sensitive.
- Run a set of wires (22-24ga shielded recommended) from the screw terminals labeled Alarm on the Junction Board to the screw terminals labeled DC IN on the Alarm Board. The terminals are not polarity sensitive.
- Connect the LED wires to the screw terminals labeled LED on the Alarm Board. Note the polarity indicated on the Alarm Board.
- Connect the normally open wires from an external key switch to the screw terminals labeled KEY SWITCH on the Alarm Board.

### TROUBLESHOOTING INSTRUCTIONS

- To test the Alarm Board, press the button labeled PB1 on the Junction Board. This should cause the LED to flash and the alarm to sound.
- If the alarm is always going off on the phone, verify that the line check on the SmartPhone is turned on by pressing: Enter, 23 Enter 3, 23 Enter 7284, 11 Enter 1
- Verify Alarm Terminals on SmartPhone are in an open-contacts state when phone line is connected, and closed when phone line is pulled from phone and it is in an alarm state.
- If the Alarm Board is playing tones with constantly cycling volume, verify key switch is not Normally Closed instead of Normally Open.