

LINE VERIFICATION PANEL WITH KEY SWITCH

DESIGNED, MANUFACTURED AND SUPPORTED IN THE USA



Model PLV

New ASME A17.1-2010 code requires that "the two-way communications means within the (elevator) car shall include a means to verify operability of the telephone line". When your local municipality adopts this new ASME A17.1 code the **PLV** can be added to fulfill all requirements for visual and audible signaling when it is determined the telephone line is not functioning.

The **PLV** continuously monitors for loss of Talk Battery voltage and will immediately provide an audible and visual indication when any analog station or telephone line has been accidentally cut or disconnected from any telecom device.

In accordance to ASME A17.1, the **PLV** is labeled "ELEVATOR COMMUNICATION FAILURE" in 1/4" high red letters, and will sound an audible signal every 30 seconds and flash a red light when a telephone line fault is detected. Authorized personnel can silence the audible signal with the included key switch. The LED will remain flashing until the fault is corrected.

MOUNTING

The **PLV** is designed to be flush mounted into a standard double gang rough-in box. A 5/64" hex drive range and four (4) flat head 6-32 x 1.25" long stainless steel hex drive screws are included to mount **PLV** to the box.

WIRING TO ANALOG DEVICE, STATION, PHONE LINE

When the **PLV** is wired in the sequence below, it will also test the unit for proper operation.

1. Cut the YELLOW wire loop to put the **PLV** into the "Universal Mode".
2. Connect the RED/BLACK and BLACK/RED wires (the **PLV** is not polarity sensitive) to the 12 VDC power supply. Once powered up, the **PLV** will start continuously flashing its red LED and sounding the beep tones every 30 seconds to show there is a line failure.
3. Connect the phone line directly to the analog device, and from there continue on to the **PLV's** solid RED and solid GREEN wires. This configuration will be sure to detect when the line has been accidentally cut or disconnected all the way up to the device. Once the telephone line has been connected to the **PLV**, it will detect the presence of Talk Battery voltage and clear its audible and visual indications.

APPLICATIONS

- Any analog telecom device on any analog station or phone line

FEATURES

- Complies with ASME A17.1 Elevator Code
- Immediately detects a cut or disconnected phone line
- Works with any analog device on any analog line
- Volume adjustable audible signaling
- Mounts in standard double gang electrical box

SPECIFICATIONS

Power: 120 VAC/ 12 VDC UL Listed adapter, included

Dimensions: 4.9" x 4.9" x 1.3" (124 mm x 124 mm x 33 mm)

Shipping Weight: 1.5 lb. (0.7 kg)

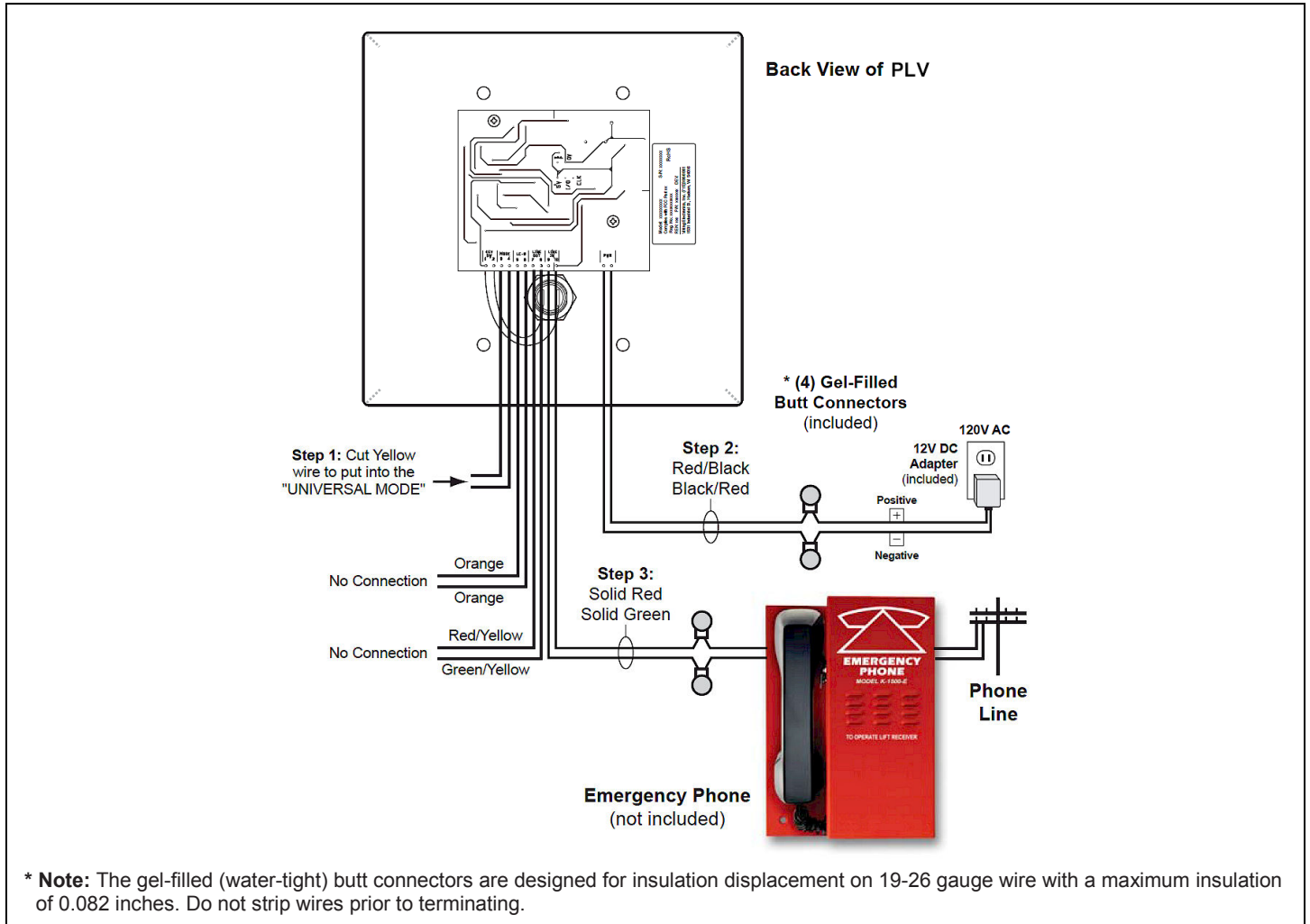
Environmental: 32 F to 90 F, 5% to 95% non condensing humidity

Maximum Power Supply Wire Length: 500 ft with #24 gauge wire

Connections: (8) color-coded wires with (8) gelfilled butt connectors

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IMPORTANT: Electronic devices are susceptible to lightning and electrical surges from the AC outlet and the telephone line. It is recommended that a surge protector be installed to protect against such surges.



PROGRAMMING

Universal Mode. When the PLV is used with analog telecom device, cut the YELLOW wire loop, as shown in the Installation section, to put the unit into the "Universal mode".

Audible Signaling Volume. There are 4 programmable volume levels for the audible beeps. The beeps are factory set to the loudest volume, and it is recommended they be left loud so in the event a telephone line failure is detected, it will be recognized as quickly as possible. If it is determined that lower volume level audible signaling beeps are desired, authorized personnel can do this with the supplied keys. When the PLV is powered up and idle (not in the alarm state), insert key and turn ON to the right. Two beeps will be heard. Keep the key in the ON position and six seconds later the beeps will be heard walking down in volume from loudest to one step lower, and lower, and lowest. The beeps will continue to loop through the four volume levels. Once you decide you hear the desired volume level, turn the key back OFF to set that volume level.

OPERATION WITH ANALOG DEVICE

The PLV will continuously monitor for loss of Talk Battery voltage indicating the telephone line has been accidentally cut or disconnected. When this fault is detected the PLV will sound an audible beep signal every 30 seconds and continuously flash its red LED light. Once noticed, authorized personnel can silence the audible beep signals with the included key switch. Insert the key and turn ON to the right. Two beeps will be heard, then turn key immediately OFF and remove. The LED will remain flashing until the fault is corrected. The audible beep signals will remain silent for this event only. Future line failure detections will sound the audible beep signals again, which can again be silenced. Once the fault is corrected, the alarm state will clear.

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