

EZ Path[®]

FIRE RATED PATHWAY

INSTALLATION SHEET

Series 22

Fire Rated Pathway

ZIS1007

Rev. 06/2012

GENERAL - READ COMPLETELY BEFORE INSTALLING

This product allows for several optional installation methods. Available methods for walls are shown here. The pathway (device) consists of an enclosed heavy gauge galvanized steel channel with a detachable lid. Wall plates are designed to accommodate single device installations. Wall plates and gaskets are included.

NOTE: WALL INSTALLATIONS REQUIRE THIS DEVICE TO BE INSTALLED WITH THE TOP (LID) FACING UPWARD. The lid may be identified by the BARRIER GAUGE stamping.

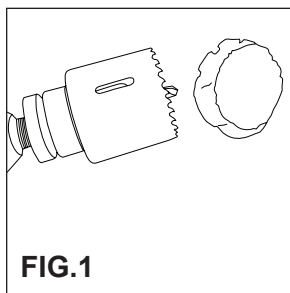


FIG.1

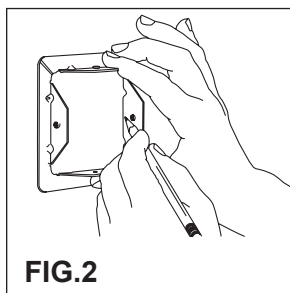


FIG.2

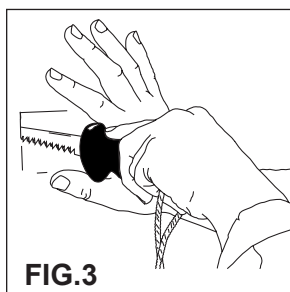


FIG.3

CREATING THE OPENING

Gypsum Board Walls:

1. Locate suitable area of the wall to penetrate making sure that there are no studs, wires, pipes or other obstructions located within wall.
2. a. Round Openings:
 - i.) Using a 2" (51 mm) hole saw, make an opening on each side of the wall ensuring that the holes are aligned (See Fig. 1).
- b. Square Openings (Optional):
 - i.) Mark a nom. 1-3/4" (44 mm) square opening. Make sure opening is square and plumb. The inside opening of the wall plates can be used as a template (See Fig. 2).
 - ii.) Using a keyhole saw, cut wall board (See Fig. 3). Cutting to the outside of the line will produce a slightly over-sized opening. Mark and cut opposite side of the wall, exercising care to align both openings.
3. Insert pathway and check for fit. Remove pathway.
4. Install device per instructions below.

Concrete or Masonry Walls:

1. Core drill a nom 2" (51 mm) round opening in wall or cut or form a nom 1-3/4" (44 mm) square opening.
2. Install device per instructions below.

Table A: Parts List

Qty.	Description		
1	EZ Path [®] Series 22 Device	1	5/64 Allen Key
2	Wall Plates	2	Ground Screws
2	Intumescent Gaskets	10	8-2 x 1/4" Lg. Set Screws

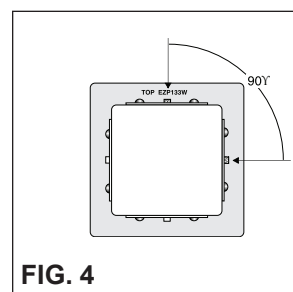


FIG. 4

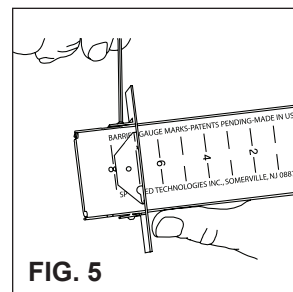


FIG. 5

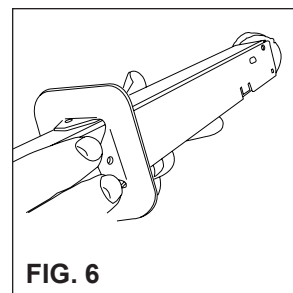


FIG. 6

INSTALLING PATHWAY USING WALL PLATES

Prior to Pulling Cables

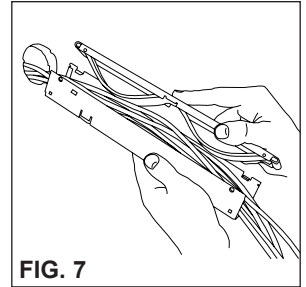
Device is installed through wall and attached using wall plates to sandwich the wall. No mechanical attachment to wall itself is required.

1. If necessary, pre-install required set screws in wall plates using Allen wrench (provided). NOTE: Two set screws positioned and tightened at 90 degrees to each other in both plates will adequately hold device (See Fig. 4).
2. Install a wall plate around pathway making sure that set screw flanges are facing towards the end of the device. Use gauge marks located on lid of pathway to adjust plate to thickness of wall (See Fig 5). This will center pathway within the wall. When properly adjusted, tighten set screws to lock plate onto pathway.
3. Place one of two provided gaskets around opposite end of pathway and carefully slide it back to fit snugly against back side (wall side) of plate.
4. Insert pathway through wall (with lid gauge marks facing upwards) using previously installed wall plate and gasket as a stop (See Fig. 6).
5. Moving to the opposite side of the wall, install remaining gasket around pathway and slide toward wall.
6. Install remaining wall plate around pathway and slide it toward wall surface. While pulling pathway toward you, push wall plate and gasket tightly to wall and tighten set screws. Check device for excessive play. If device appears to be loose or can easily be moved, readjust wall plates as necessary to tighten device firmly against wall.

INSTALLING IN WALL OPENINGS USING SEALANT (NO WALL PLATES)

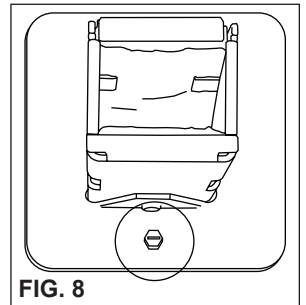
Installing Around Previously Installed Cables

1. Remove Lid: Lid is secured within the top of the U channel via an extruded boss that snaps into round holes located at both ends on one side of the lid. A slot is provided between the cover and top of the channel next to each boss. Insert a flat-bladed screw driver into the slots and carefully pry the channel open enough to release each boss. Exercise care not to bend or distort the channel. Remove the cover by sliding it out of the slots located on the opposite side of the lid.
2. Place pathway channel around cables (See Fig 7).
3. Replace lid by sliding lid into channel attachment tabs and applying pressure on opposite end until the lid locks back into place.
4. Caulk using approved sealant (SpecSeal® SSS or LCI Series sealants, or Pensil® 300 Silicone Sealant). Apply sealant to a depth of 5/8" within annulus on both sides of wall. Apply a 3/8" crown bead at areas of point contact. In concrete walls, device may be cast or grouted using hydraulic cement or SpecSeal® mortar.



INSTALLING or PULLING CABLES

A resilient liner provides an adjustable seal within the pathway device. Liner must be protected from damage while adding or removing cables. Wrap cable ends with a suitable low friction tape before inserting into the pathway. Where cable lubricants are used, low solids, water-based products are recommended. This device is designed to be fully functional at all cable loadings from completely empty to visually filled, and cables should easily slide through the pathway using minimal effort. IF RESISTANCE IS ENCOUNTERED, DO NOT FORCE CABLES OR CABLE BUNDLES THROUGH THE PATHWAY. DAMAGE MAY RESULT. Upper curved liner may be depressed when inserting cables, if necessary, using a flat, smooth implement and then removing it after cables are installed. The rectangular shape of the loading area coupled with gentle pressure exerted by resilient liners will naturally distribute the cables at a relatively uniform height across the width of the device. The use of a cable dressing/combing instrument to straighten and organize cables may help to maximize usable space within the pathway device.



GROUNDING

At the option of the installer, this device may be grounded. After device and wall plates have been installed, insert ground screws where indicated on wall plate (See Fig. 8). NOTE: Wall plates must be used if grounding is desired.

WALL LABELING

Wall labels are provided with the pathway. Orange colored label is intended to be used to identify the pathway's installer as well as to provide applicable UL System information. Two labels are provided for marking both sides of wall.

MAINTENANCE

No maintenance of the pathway is normally required. Interior of device should be inspected before and after any modifications to cable bundle. If any damage to intumescent pads lining top and bottom of the pathway is found, contact the factory to determine if replacement is required.

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