

INSTALLATION INSTRUCTIONS

The filter can be installed by anyone with knowledge of shielded enclosures and moderate carpentry skills. However, if you are unsure about your ability to install the filter, seek the help of an experienced shielding installer. The Pasif 1G is a passive filter that requires no external power.

- Step 1.** Determine a location for the filter, ensuring sufficient clearance for the cables to attach to both sides of the filter without excessive bending.
- Step 2.** Use a 1 3/8" hole saw to create a hole in the shielded wall (or filter panel).
- Step 3.** Deburr the hole as necessary and clean both sides of the shielded wall with a scouring pad. This will ensure proper electrical contact between the filter and the shielded enclosure.
- Step 4.** Place the gasket that came with the filter on the threaded penetration up against the body of the filter, push the penetration through the hole and screw on the brass flange nut.
- Step 5.** Tighten the flange nut until the gasket is compressed and an adequate seal with the shielded wall has been created. This may require an additional person to hold the filter body tight or tighten the flange nut. Typically, the gasket will compress to about 1/8" thickness, but do not over tighten the flange nut.
- Step 6.** Connect the signal cables to the RJ-45 jacks on both sides of the filter. The Pasif 1G is bidirectional; either jack can serve as input or output. For non-Ethernet applications, an RJ-45 to terminal block adapter is available from DJM to enable use with general 8-line signals such as DC power, RS-232, RS-422, RS-485, I2C, SPI, or low-voltage control. The filter is now ready for use.