



PICO-GUARD Accessories

Attenuator and Splice, Models SFA-FA and SFA-FS

These fiber optic safety devices are intended to be used with PICO-GUARD series systems in personnel-safety and equipment-protection applications.



**SFA-FA
Attenuator**
(Red Housing)



**SFA-FS
Splice**
(Black Housing)

Features and Description

- Attenuator for reducing excess gain in short-run applications
- Splice for easy connection of two fiber sections
- Simple, quick means of connecting and disconnecting the fiber
- For use with Banner 2.2 mm OD plastic fiber optic cable (1 mm core)
- Impact-resistant polycarbonate plastic construction
- Environmental rating of IEC IP65 (NEMA 4, 13)

Refer to PICO-GUARD Controller Manual (p/n 69761) and PICO-GUARD Application and Design Guide (p/n 69763) for complete installation and operation information.



Important ... Read this Section!

Information for use is found within each PICO-GUARD Fiber Optic Safety Interlock Switch data sheet, the Controller installation manual, and the Application and Design Guide. Please direct questions regarding the use or installation of this system to the factory applications department at the telephone numbers or address on page 4.

Specifications

Mounting	Holes for M4 (#10) screw (not included)
Construction	Polycarbonate plastic housing and window; acrylic lens
Temperature range	0° to +70°C (+32° to 158°F)
Max. relative humidity	95% (non-condensing)
Environmental Rating	IEC IP65, NEMA 4, 13

SFA-FA and SFA-FS



Mounting and Fiber Connection

Attenuator (model SFA-FA): Insert either fiber into hole, as far as it will go; lock in place with fiber gripper (Figure 1). Repeat on opposite side.

Splice (model SFA-FS): Using the groove in the mounting flange as a depth guide, insert fiber half-way into the housing, and lock in place with fiber gripper (Figure 1). Insert second fiber into opposite end, until it is flush against first fiber; lock in place with fiber gripper.

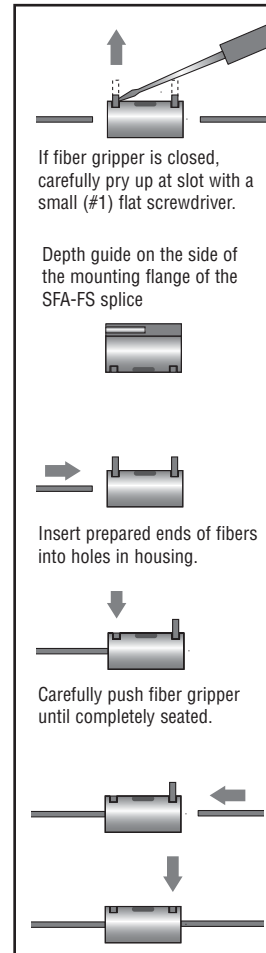


Figure 1. Fiber connections



WARRANTY: Banner Engineering Corp. warrants its products to be free from defects for one year. Banner Engineering Corp. will repair or replace, free of charge, any product of its manufacture found to be defective at the time it is returned to the factory during the warranty period. This warranty does not cover damage or liability for the improper application of Banner products. This warranty is in lieu of any other warranty either expressed or implied.