



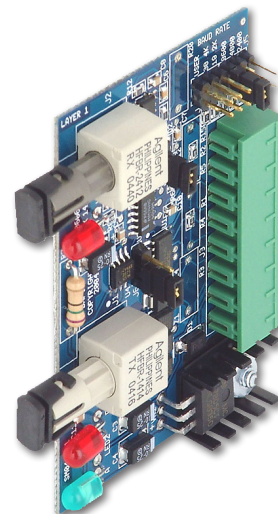
Overview

BAPI recommends fiber optic cable for HVAC communications networks that travel between buildings.

The FOX - Fiber Optic Transceiver converts the RS-485 data from the copper network to a fiber optic signal for transmission to other buildings. A FOX in the other building converts the fiber optic signal back into RS-485 for the remote copper network.

The FOX module accepts the multi-mode fiber (50/125um or 62.5/126um) cable on standard ST connectors. The copper RS-485 connection is made on the 8-pole plug along with the power and ground connections. The FOX also plugs into the communications repeater backplanes (RBP4, RBP8, SRBP). Each FOX module consumes one unit load on the RS-485 bus.

A green power LED indicates that 12 VDC is present to the module. A red LED at each fiber cable connection flashes when data is transmitted or received.



FOX - RS-485 Fiber Optic Transceiver

Part Number Description

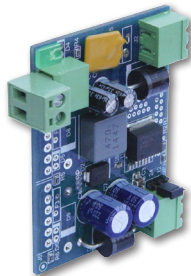
BA/FOX RS-485 Fiber Optic Transceiver

BA/FOX-KIT FOX Communication Kit (see page G25)

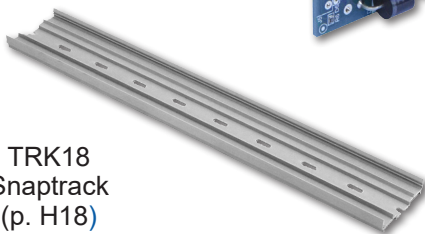
Kit includes one Fiber Optic Transceiver (FOX) Module, a 350 mA voltage converter (VC350A), a Single Repeater Backplane (SRBP) and a 4" piece of 2.75" snaptrack

Associated Products

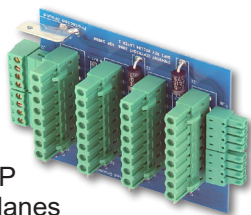
3324VC Voltage Converter
(p. H8)



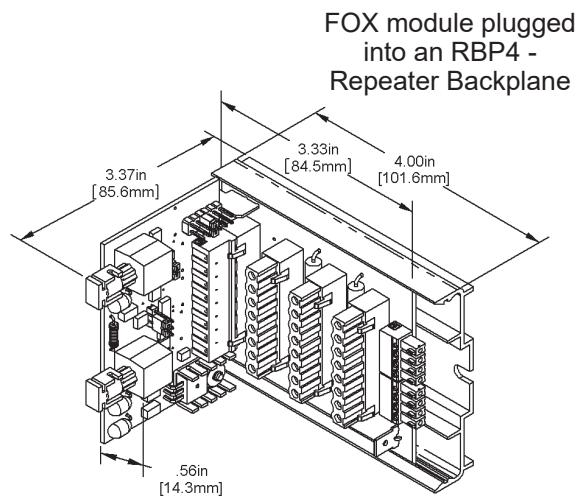
TRK18 Snaptrack
(p. H18)



RBP or SRBP Repeater Backplanes
(p. GH0-32)



Specifications



Power Voltage: 11 to 13 VDC

Power Current: 250 mA max. (3 VA max)

Communications Rates:

2.4K, 4.8K, 9.6K, 19.2K and 38.4K Baud

Network Load: 1 unit load (RS-485 side)

Optical Network Length:

10,500 ft (3,200 meters)
(max. attenuation of 4 dB/Km)

RS-485 Network Length: 4,000 ft (1.2Km)