



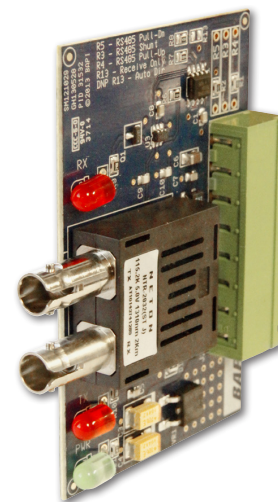
Overview

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

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

The SOX module accepts single-mode fiber (9/125um) 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 SOX also plugs into the communications repeater backplanes (RBP4, RBP8, SRBP).

A green power LED indicates that 12 VDC is present to the module. Red LEDs flash when data is transmitted or received.



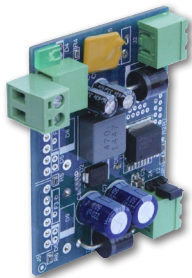
SOX - RS-485 Fiber Optic Transceiver

Part Number	Description	List Price
BA/SOX RS-485	Fiber Optic Transceiver (for single-mode fiber cable).....	\$315

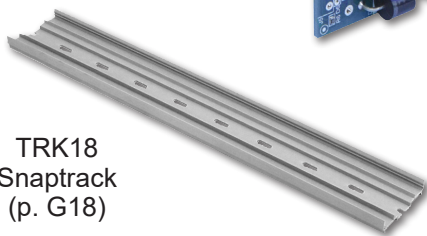
Submittal datasheets without List Prices are available on our website at www.bapihvac.com

Associated Products

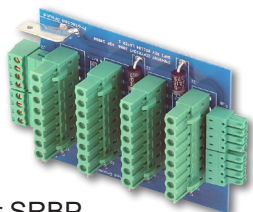
3312VC Voltage Converter
(p. G11)



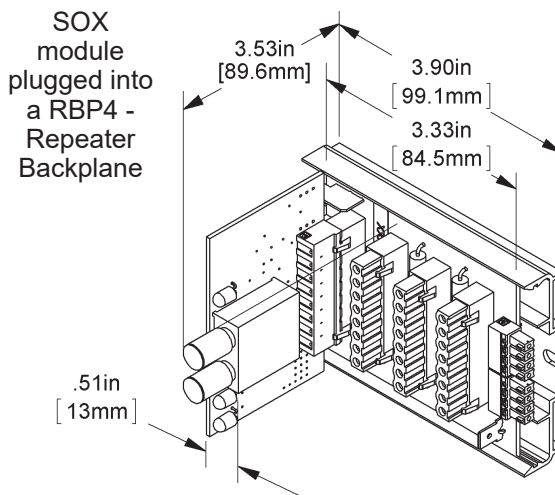
TRK18 Snaptrack
(p. G18)



RBP4, RBP8 or SRBP
Repeater Backplanes
(p. G30-32)



Specifications



- Power Voltage:** 7 to 18 VDC
- Power Current:** 50 mA max.
- Communications Rates:**
Auto-sensing 1200 to 115.2K Auto Baud
- Optical Network Length:**
65,600 ft (20,000 meters)
- RS-485 Network Length:** 4,000 ft (1.2Km)

