



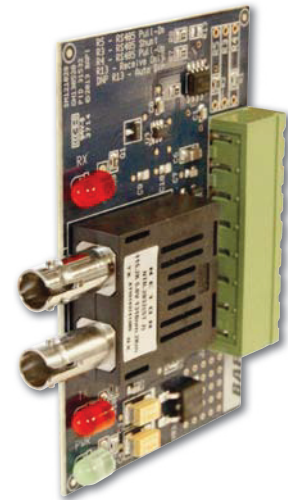
Overview

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 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 backplane (RBP).

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.



SOX - RS-485 Fiber Optic Transceiver

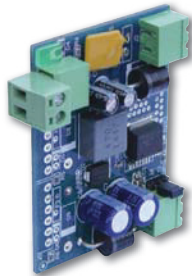
Ordering Information

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

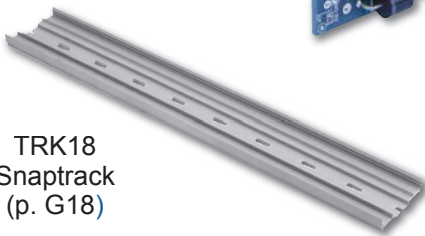
See end of Section G for list pricing.

Associated Products

3312VC Voltage Converter
(p. G11)



TRK18 Snaptrack
(p. G18)

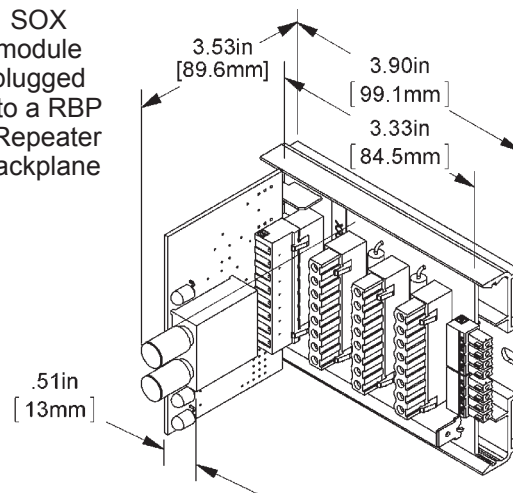


RBP or SRBP Repeater Backplanes
(p. G30-32)



Specifications

SOX module plugged into a RBP - Repeater Backplane



Power Voltage: 7 to 18 VDC

Power Current: 50 mA max.

Communications Rates:
1200 to 115.2K Auto Baud

Optical Network Length:
65,600 ft (20,000 meters)

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