



#### Description

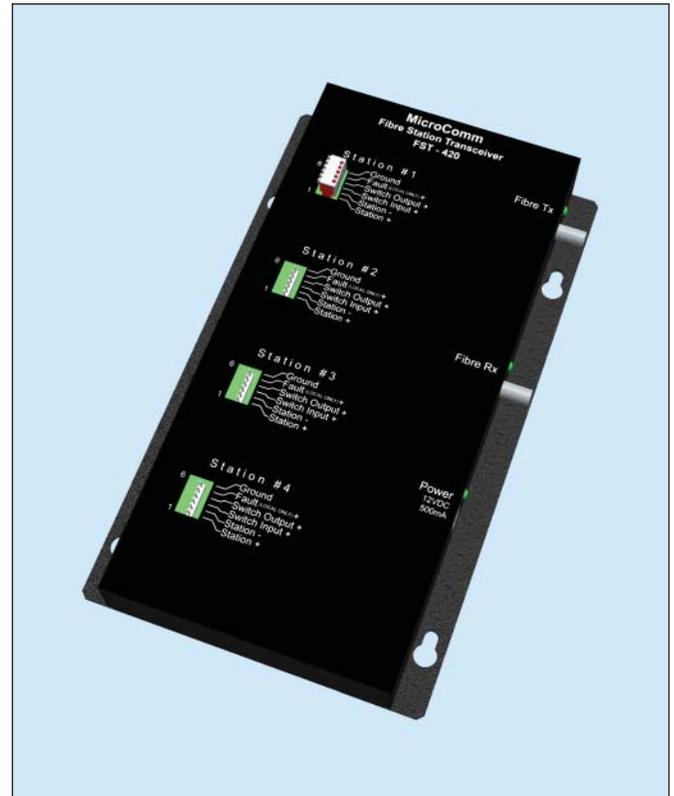
The FST-420 Fiber Station Transceiver facilitates the connection of DXI/DXL 400-series Intercom Stations (ICMs), Touchscreen Master Modules (TMMs), and Master Audio Interface modules (MAIs) to a system's exchange equipment by means of fiber optic cable, allowing these devices to be located in another building or out of doors. Up to four devices may be connected using a single fiber optic transmit & receive pair.

Two FST-420s are required to complete the connection. The local transceiver connects to either an SAB-400 station audio board in a DXI system, or similarly to an SCC-400 station control card and/or MCC-400 master audio card in a DXL system. The remote transceiver then connects to the associated field devices.

The transceiver pair carries bi-directional audio as well as a variety of discrete signaling, thereby providing a completely transparent bridge between the local and remote locations. The FST-420's signaling supports up to two switches per device (c/w remote wiring supervision), as well as a supplementary status input at both the local and remote locations.

#### Features

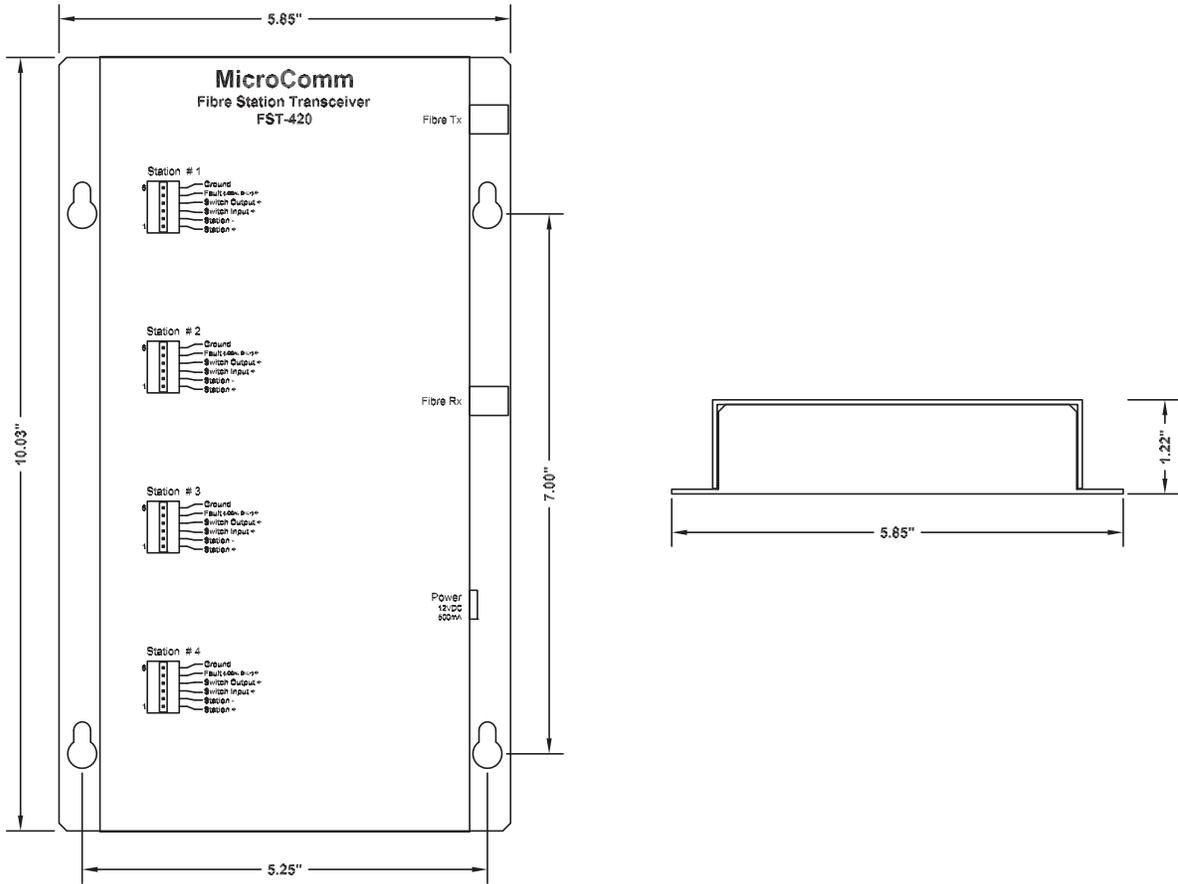
- cost effective means of connecting remote stations
- fiber optic interface provides lightning protection
- simple 12 Vdc wall plug power supply, included with units
- MTA -100 connectors for field wiring
- supervised switch input at remote FST site triggers open drain output at local FST
- wiring fault on remote site supervised switch causes open drain alarm output at local unit to turn on
- switch input at local can be used to provide optional open drain output at remote site



#### Specifications

Physical Form Factor	5.85" x 10.03" x 1.22" (14.9 mm x 12.5 mm x 3.1 mm)
Field Connections	
Intercom stations	MTA-100 6-pin connector
Station cards	MTA-100 6-pin connector
Fiber optic	ST connectors
Power supply	DC power jack
Cabling	
Fiber	2 fibers - 62.5/125 $\mu$ m 10 dB power budget
Power supply	12 Vdc +/- 10 % 500 mA
Open drain outputs	30 mA max, 30 volts max

# Mechanical



## Ordering Information

Part number FST-420-A

- A Transceiver type
    - 1 Remote Fiber Station Transceiver
    - 2 Local Fiber Station Transceiver
- Interfaces to the SAB-400, SCC-400, and the MCC-400

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