

STENTOFON Fiber - AlphaCom System

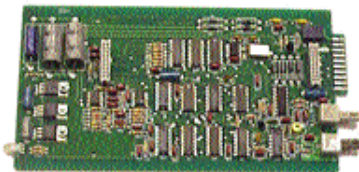
STENTOFON Fiber couplers are made for use with the STENTOFON AlphaCom system. The stations have all the functions of a station on wire. The fiber coupler interfaces are made up of a number of components. The Basic fiber interface board (#92801) is required at each end. It provides the basic fiber interface and power for the station boards and the following:

1. High quality audio circuit between the ends, exceeding the bandwidth of an AlphaCom exchange
2. Seven bi-direction signaling circuits
3. Line protection for the station connections at each end
4. Supports AlphaCom's standard line test to stations
5. Power to the station interface boards
6. Requires 12 V AC at 400ma, in standard operation
7. Operating Temp Range - 10°C to + 40°C - 14° to 104° F
Operating Humidity Range - 10-85 RH
8. Industrial standard fiber couplers:
 - a. ST system for the fiber connection
 - b. 820 nm wavelength technology
 - c. Link distance up to two KM
 - d. Use standard 62.5/125 multi-mode fiber, two per connection.

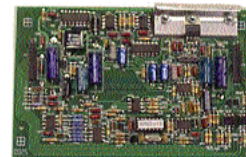
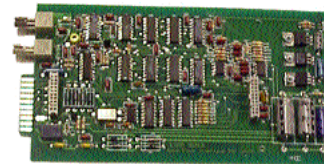
AlphaCom System

AlphaCom station interface boards, #92821 (exchange end) and #92822 (field end) are required. These boards are mounted to the basic interface board (92801) and provide:

1. Interface to standard AlphaCom stations, includes CRM III and IV, LCD Master and substations.
2. All standard master functions are supported. The LCD display function requires an LCD up-grade kit #92825
3. Allows for one or two call in buttons on a substation
4. Line test to the station
5. Two bi-directional control circuits, which can be used independently. A dry contact input will drive an opto-coupler output at the other end. Can control up to 24 VDC at 30ma at the output. There can be two events in each direction at the same time.
6. Up to one half watt of audio in the standard mode and up to one watt if a separate power supply is supplied (24 VDC at 500 ma).
7. Allows for the standard RCO line function in addition to the two bi-directional circuits.
8. Allows for the standard AlphaCom exchange frequency response.

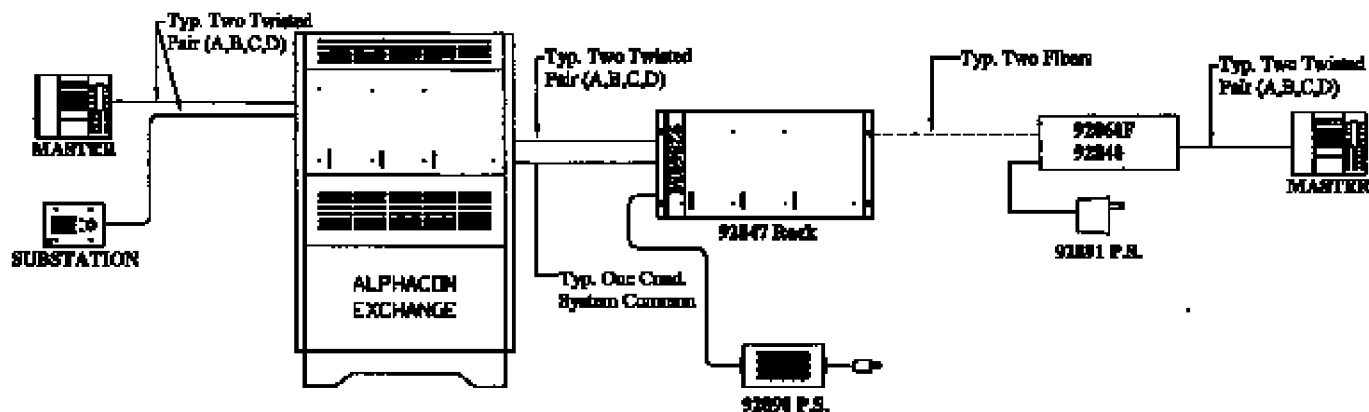


AlphaCom Exchange End - Part #9286 M
(Consists of #92801 and #92821)



AlphaCom Field End - Part # 92860 F
(Consists of #92801 and #92822)

AlphaCom Fiber Concept



Fiber Components:

- 92860M - Exchange end fiber interface module. This unit is made up of one 92801 basic fiber interface and one 92821 AlphaCom exchange.
- 92860F - Field end fiber interface module. This unit is made up of one 92801 basic fiber interface and one 92822 AlphaCom station interface. Includes 92840 and 92891.
- 92860MD - Exchange end fiber interface module. This unit is made up of one 92801 basic fiber interface and one 92821 AlphaCom exchange. Includes LCD display upgrade kit 92825.
- 92860FD - Field end fiber interface module. This unit is made up of one 92801 basic fiber interface and one 92822 AlphaCom station interface. Includes 92840 and 92891. Includes LCD display upgrade kit 92825.
- 92825 - LCD display upgrade kit. This kit is required to update the 92821 and 92822 interface boards for LCD display function. Included with 92860FD and 92860MD.
- 92840 - Field mounting enclosure. Used to house either the 92860M or 92860F units in single unit applications. Included with 92860F and 92860FD.
- 92843 - Four position mother board for 92847. This is a four-position sub board that can be added to the 92847 to increase the number of modules that can be installed into the card rack.
- 92847 - 19 inch by 5.25 card rack with one 92843. Can house up to four fiber modules. Can be expanded to 12 by adding two additional 92843 sub boards.
- 92890 - 12 VAC at 6 amp power supply for card rack. Will power up to 12 fiber modules.
- 92891 - 12 VAC at 500 ma supply for a single fiber interface. Included with 92860F and 92860FD.