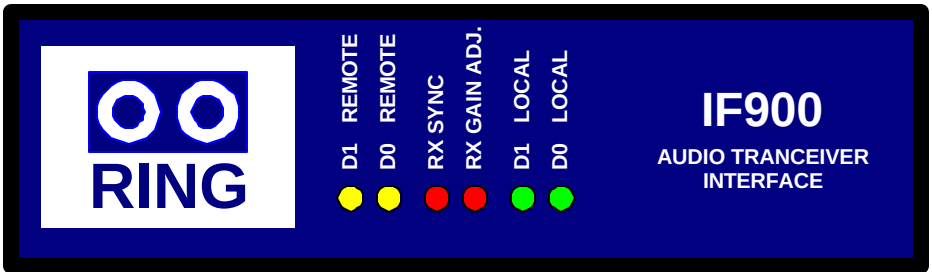
RING
COMMUNICATIONS INC

IF900 TRANSCEIVER INTERFACE



The standard Ring-Master intercom station is connected to the central exchange on one twisted pair using DC inband signaling together with the voice (0-5000Hz).
The DC can not be transmitted over fiber optic or radio transceiver.
The IF900 overcomes this limitation by converting the DC to a pilot tone (10KHz).
The pilot tone is added to the audio and transmitted to the transceiver
The receiver will filter the pilot tone from the audio and convert it back to DC signaling.

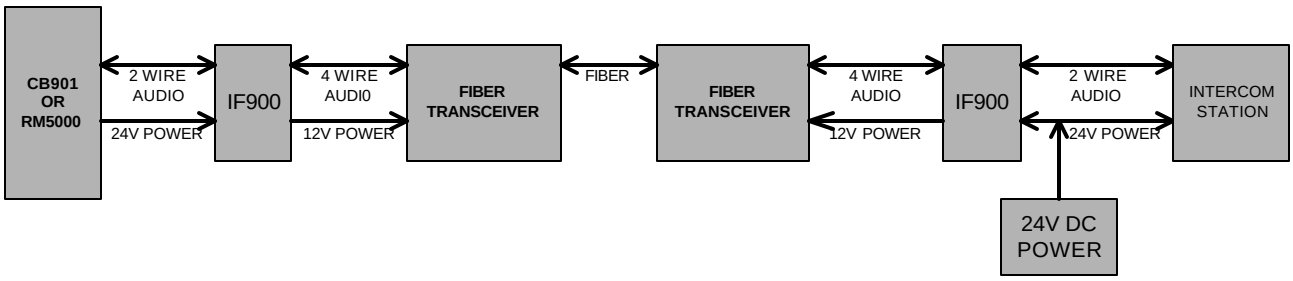
Two IF900 are required for connecting an intercom station to the central exchange. The connection between the two IF900 is 4 wire 600 ohm copper (one pair transmit, one pair receive). The 4 wire interface on each IF900 can interface to standard transceivers using the 300-15000Hz bandwidth. 12V DC at 500mA is available from the IF900 to power the transceiver.
It is now possible to connect an intercom station via fiber optic cable, T1 Channel bank, multiplexer or radio.
The interface is compatible with Ring-Master CB901, RM5000, sub-stations and master-stations (except AA960 and AA961).
The intercom station with IF900 will require a local 24V DC power supply.

Connectors.
6 pin modular: 24VDC Power and two wire voice from Ring-Master.
8 pin modular: 12V DC Power and four wire audio to transceiver.

Width: 5" Depth: 5 1/4" Height:1.5" Weight: 0.7 Lb

Input Power: 24 V DC, 500mA Output Power: 12 V DC, 500mA

Tested transceivers.
Fiberoptic: IFS AR2000



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