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TOA

TECHNICAL NOTE -- Using an HF-200M with the IC-100

IC-100 control stations share similar interface characteristics with intercom stations designed for the Exes 2-Wire Intercom system. As a result, you can modify some Exes 2-Wire intercom stations for use as IC-100 control stations. The HF-200M handset master station is the most likely candidate for this application.

Required Modifications

Remove the main printed circuit board.

Unplug and set aside the handset.

Turn the station upside down and remove the chrome plated terminal cover and speaker holder.

Remove the line cord from terminals labeled "1" and "2".

Remove the bottom of the main case after removing three retaining screws. There are plastic tabs that secure the main case bottom located at the microphone end of the station. Remove the main case bottom by separating the main case bottom and top from the opposite end.

Unplug P1 (blue conductors) and P2 (red and white conductors).

Lift main PCB from case top.

Modify main printed circuit board.

Remove the microphone from the circuit.

Add a 100K Ω resistor between pins 21 and 31 of M5.

Cut the trace that connects pin 31 of M5 to the junction of R42 and R43.

Remove R57.

Cut the lead that terminates on pin 7 of P2 (red conductor terminates on Pin 1 of P2)

Reassemble the station.

Reverse the sequence used to remove the main printed circuit board.

Connection to IC-100

Connect station cable to LU-100 control station port

Connect the modified HF-200M to LU-100 connector CN5 terminals S1 and S2. Use one twisted wire pair. Provide shielding when installing the station cable near strong EMI sources.

Program the control station port type

Use function code 32 to set the station type to type 6 -- "modified HF-200M".

Operation

Station calls

To call a station, dial the station number. Lift the handset to talk.

To respond to a call, press PTT. Lift the handset to talk.

Privacy

To register privacy, press "••".

To cancel privacy, press "•C".

Paging

To page all zones, press "•8 0 PTT". Lift the handset to talk.

To page one or more zones, press "•8 (0) 1 ... •8 (5) 9 PTT". Lift the handset to talk.

To page one or more combination zones, press "•9 1 ... •9 9 PTT". Lift the handset to talk.

Telephone calls -- (optional equipment installation required)

To call on a telephone line, press "•0". Lift the handset to talk.

To respond to a telephone line call, press "•1". Lift the handset to talk.

SUPPORTS LISTED FUNCTIONS ONLY!
CALL FORWARDING NOT AVAILABLE.
HANDS-FREE NOT AVAILABLE.