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MODEL U3813
INSTALLATION/OPERATION INSTRUCTIONS
HEADSET STATION/REMOTE PTT

DESCRIPTION

The U3813 Headset Station/Remote PTT is designed to combine the transmit and receive functions of a mobile radio with the David Clark Company Series 3800 Intercom System. The Module has a headset jack, push-to-talk (PTT) button, radio input connector, two intercom connectors and a remote PTT connector. A listen level control allows the user to adjust their headset volume to suit individual preference without affecting the volume of other users within a system.

An important feature of the U3813 is that while the PTT button is depressed, or while a remote PTT switch is activated, radio transmission is limited to the user who's headset is connected to this module.

INSTALLATION

1. Select a mounting location where the headset cord will not interfere with the user's job function or otherwise force actions that may jeopardize safe operation when using the module's PTT button.

2. Mount the U3813 by placing one grommet between each of the four mounting brackets and the mounting surface. Grommets are provided with the module but fasteners are not. The type of fastener selected should be based on mounting location and surface material.

CONNECTION

1. All cords have keyed connectors. Install cords as follows:

   a. Align key-way slot on cord connector with key in corresponding connector on module.
   b. Insert cord connector until firmly seated.
   c. Hand tighten swivel nut on cord connector**. Do not over tighten.**

2. A C3821 Radio Interface Cord is used to connect the U3813 module to a mobile radio. Connections for the C3821 are as follow:

Color	Function
Red	Microphone High
White	Microphone Low
Green	Speaker High
Black	Speaker Low
Blue	PTT Low and Shield
Yellow	PTT High

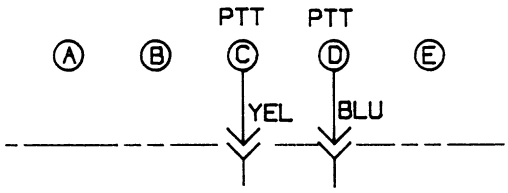
   Attach the stripped end of the C3821 to the radio using the connections as above. Connect the end of the C3821 with the 6-pin connector to the 6-socket connector on the U3813, labeled "Radio Input".

NOTE: If more than one radio interface module is used in a Series 3800 System connected to a common mobile radio the speaker audio connections should be made to only one of the modules.

3. C38-** Jumper Cords, of appropriate length, are used to connect the U3813 Module to other components within the system. Connect one end of the jumper cord to one of the connectors on the U3813 labeled "System Input" and the other end of the jumper cord to a connector on the U3800, or other module, labeled "System Input', or "Remote Output".

   NOTE: All of the 4-socket connectors on any module within a system are acceptable connection points for jumper cords.

4. Remote PTT switches may be used in conjunction with the U3813. These devices attach to the U3813 using the 5-socket connector labeled "Remote PTT". A connector kit P/N 18352G-07, when necessary, is used to connect the PTT switch to the U3813. The heavy duty Footswitch (P/N 40071G-04), with a 15 foot cord and connector, is specifically designed for this purpose but any SPST switch may also be used.



Remote PTT Connector Diagram

5. Connect a Series 7000 Headset to the connector on the face of the U3813 by lifting the cover on the U3813 and seating the headset connector firmly into the receptacle.

OPERATION

1. Adjust headset for a comfortable fit.

2. Position the boom-mounted microphone directly in front of your mouth, within 1/8" of your lips.

   NOTE: In order to properly cancel background noise and provide clear communications, placement of the **microphone must be within 1/8" of your lips.**

3. Adjust the listen level control on the U3813 to a comfortable level.

4. The receive audio from the radio will be heard in all headsets connected to the system.

5. To transmit over the radio, depress and hold the PTT switch on the U3813 or depress and hold the remote PTT switch, if your system is so equipped.

   NOTE: Radio speakers mounted near the headset may produce feedback, causing a squeal when transmitting. If this occurs the speaker should be relocated, or a speaker cutoff switch should be installed.