

INSTALLATION INSTRUCTIONS
C3820 POWER CORD
18748G-01

DESCRIPTION

The C3820 Power Cord provides an electrical connection between a David Clark Company U3800 Master Station and a battery or other DC power source (such as a vehicle fuse rack). An in-line fuse holder and a 2 amp slow blow fuse are provided to protect the U3800 Master Station from possible electrical damage. It should be installed to the red wire between the power cord and the power supply – see C3820 power cord schematic below.

INSTALLATION

1. Assemble the fuse holder and fuse P/N 18900G-38 to the power cords red wire that is stripped and tinned – see fuse holders installation instructions on back of page.
2. Attach the stripped and tinned end of the C3820 to a 12 or 24 VDC power supply. If connecting to a vehicle's power source, consider whether to connect before or after the ignition system.
3. Connect the red wire to DC positive (power) and connect the black wire to DC negative (ground).

Note: It is recommended that a noise suppression kit, such as Radio Shack P/N 270-030 or equivalent, be installed on the power line to the U3800 Master Station to help prevent electrical noise from entering the intercom system. Install the filter at the point where power is derived from.

4. The C3820 has a military type screw-on connector. Install as follows:
 - a. Align key-way slot on cord connector with key in threaded connector on module.
 - b. Insert socket into pins until firmly seated.
 - c. Hand tighten swivel nut on cord connector.
5. Connect the two socket (female) connector of the power cord to the "Power Input" connector located on the U3800.



C3820 Power Cord Schematic Diagram

**INSTALLATION INSTRUCTIONS
C3820 POWER CORD
WATERPROOF IN-LINE FUSEHOLDER
AND 2 AMP SLOW BLOW FUSE
P/N 18900G-38**

DESCRIPTION

- One piece molded thermoplastic
- Temperature range -40°C to 150°C
- Waterproof – typically to a depth of 1 foot for 2 hours
- Vibration and shock resistant
- Withstands harsh environments (water, salt spray, ultraviolet light, ozone, organic solvents)

INSTALLATION

1. Thread red wire of power cord into one end of fuseholder P/N 09487P-09.
2. Thread 4 inch red wire supplied with fuseholder into other end of fuseholder.
3. Strip insulation on both wires 1/4 inch.
4. Crimp fuse clips to both wires.
(Recommended crimp tool Radio Shack No. 64-409 or equivalent)
5. Insert 2 amp slow blow fuse.
6. Snap two halves of housing together.

