

## INSTALLATION INSTRUCTIONS C99-22PW POWER CORD 18748G-24

### DESCRIPTION

The C99-22PW Power Cord provides an electrical connection between a David Clark Company U9922-G38 Gateway 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 U9922-G38 Gateway from possible electrical damage. The fuse should be installed on the red wire between the power cord and the power supply – see C99-22PW power cord schematic below.

### INSTALLATION

1. Assemble the fuse holder and fuse (P/N 18900G-38) to the power cord's 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 C99-22PW to a 12 or 24 VDC power supply. If connecting to a vehicle's power source, it is recommended that the intercom system power be connected after the ignition switch.
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 a Newmar PC-10 or PC-25 line filter or equivalent, be installed on the power line to the U9922-G38 Gateway to help prevent electrical noise from entering the intercom system. Install the filter at the point where power is derived from.

4. The C99-22PW 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 four socket (female) connector of the power cord to the "Power Input" connector located on the U9922-G38.

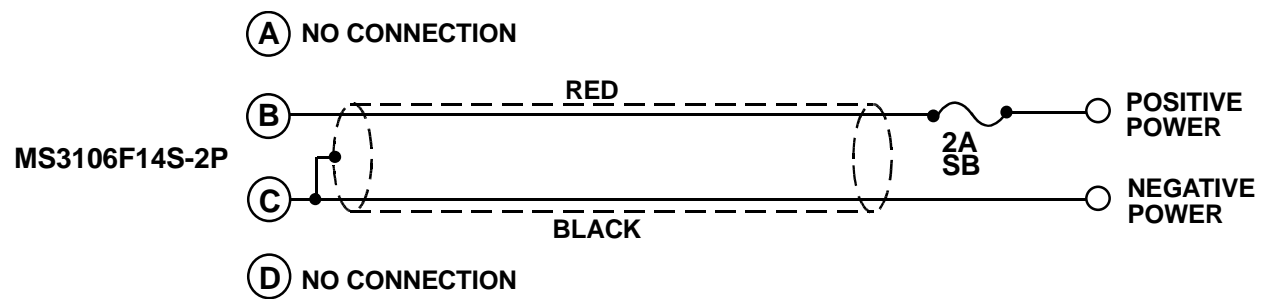


Fig. 1 C99-22PW Power Cord Schematic Diagram

**INSTALLATION INSTRUCTIONS  
C99-22PW 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.

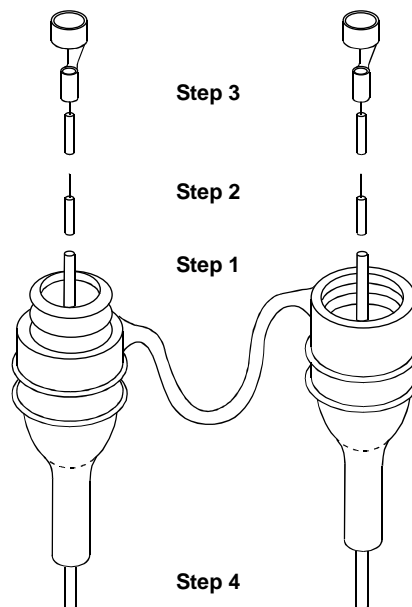


Fig. 2 Fuse Holders Installation Instructions