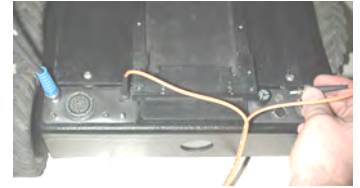


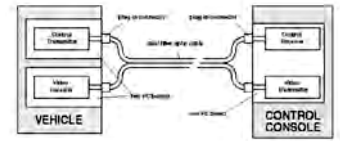
Fiber Optic Control System (add cable)

Transmits control and video signals via dual fiber optic cable where RF is not possible (inside metal structures such as aircraft, ships, bank vaults, tunnels, etc.) or undesirable (where radio silence must be maintained).



Fiber Optic Cables: Available Lengths 100m, 200m, 300m

2-conductor fiber optic cables with connectors on both ends are required for use with Fiber Optic Control System (above), and supplied on a spool. Order cables separately, selecting length. One or two spare cables should be ordered here or included with spare parts package.



Operational Diagram of Fiber Optic Control System

Manual Spool for Fiber Optic Cables

Simpler and more economical than a powered reel drawing current from the vehicle batteries, the Manual Spool stays with the Control Console while the departing robot unrolls the fiber optic cable freely off the open end of the spool. Re-uptake of the cable is done manually (shown here).



2-Way Audio System

For communicating from the console to the robot and back. Useful for hostage negotiations, enabling the operator to hear voices and other sounds in the vicinity of the robot and to speak through the robot-mounted speaker.



AUX Diagnostic Box

Function checking device for verifying the control inputs to the robot's tools. LEDs indicate if the vehicle's auxiliary tools (turntable, camera, disruptor, base pitch, laser sights, etc.) are receiving proper signals from the console via the remote control system. If a tool does not function while its corresponding LED does light up, the problem is in the tool. If not, the problem is in the control system. A most important use of this box is for checking and verifying the safety of the weapons firing circuit and sequence.



ARM Diagnostic Box

This function checking unit is for verifying the control inputs to the robot's arms. The top section of this box serves as test substitute for the arm. LEDs indicate proper operation when corresponding switches on the control console are operated. If an arm function does not work but its corresponding LED do light up, the problem is in the arm. If not, the problem is in the control system. The bottom section serves as a mini-control box to exercise and test the arm independent of the robot's regular control system.

