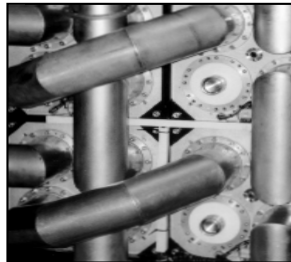
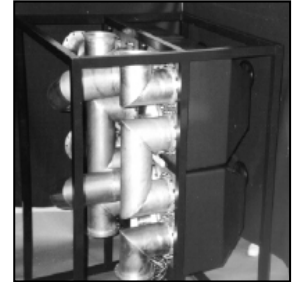


- Matrix System:** Any number of U-link type coaxial switches can be organized in a matrix system where any transmitter could be connected to any antenna at any given date or time. These matrices have an application in a number of frequency bands but they are primarily designed for high frequency because of the minimum cross talking (isolation > 100 dB). The matrices offers flexibility in design and allow for future expansion by direct addition of column or row switches. It is not possible to accomplish the following:
  - two or more transmitters connected at the same time;
  - two or more transmitters connected with one antenna.

Otherwise, these matrices offer an excellent opportunity to reserve a portion of the matrix cross point switches to be removed and simply bridged with U-link coaxial transmission lines.



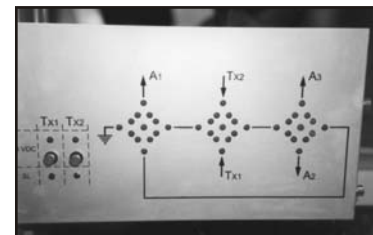
**Custom Designed Matrix System 6 1/8"**



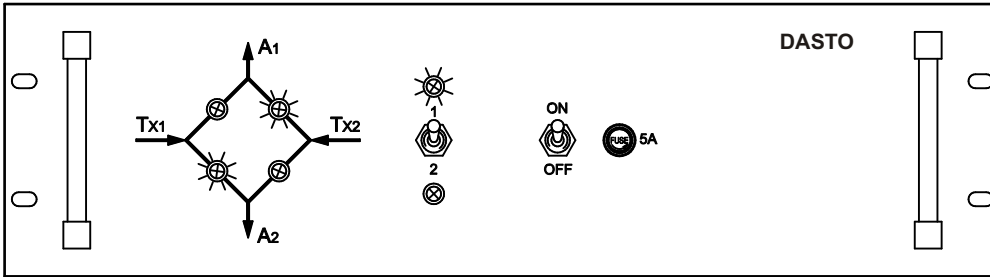
**Single unit 6 1/8" (121.343)**



**Control Box**



## Coaxial Switches - Control Panel (19" rack)



**Type 120.500** - 19" rack control panel for all 12VDC models (input / output: 230VAC / 12VDC)

**Type 120.503** - 19" rack control panel for all 24VDC models (input / output: 230VAC / 24VDC)

**Type 120.501** - 19" rack control panel for all 230 VAC models (input / output: 230VAC / 230VAC)

- Control Panel (19" Rack):** The control panel for the 19" rack is designed for remote control of the motorized coaxial transfer switches. Operating is made easy by using the two-way "operating switch" located at the middle area of the panel. Each position of this operating switch (1 or 2) is equipped with two red indicator lights, activating the electro motor of the coaxial transfer switch that changes the connection between the transmitters and antennas. Near the operating switch there are four red indicator lights with rhomboidal arrangement, connected with printed lines and arrows, that indicate the appropriate transmitters-antennas path-connection. For each position of the operating switch only the two opposite red lights are under voltage. These red indicator lights indicate the active RF path-connection of the RF coaxial transfer switch. After activating the operating switch and reconnection of the RF power in the coaxial transfer switch the other two red indicator lights, that indicate another transmitters-antennas connection, become active. At the panel face there is an additional power supply switch with two positions "ON" and "OFF" equipped with fuse (5A).

### Custom Design

