

HERITAGE MEDCALL TECHNICAL SPECIFICATIONS

Model HM-697 HIGH-VOLTAGE FULL DUPLEX DATA LINE ISOLATOR

- ELECTRICALLY ISOLATES HOST AND REMOTE MASTER CONTROLLERS
- 1000 VOLT ISOLATION
- POWERED BY 12 VOLTS DC
- SELF CONTAINED TRANSIENT PROTECTION
- SCREW TERMINALS



DESCRIPTION:

The Model HM-697 High Voltage Full Duplex Data Isolator provides 1000 volts of electrical isolation to the serial data line between a Host and Remote Master Controller. Isolated serial data lines are required when data lines go between buildings, or building sections on a separate utility power feed.

The Isolation eliminates the damaging effects of ground currents during lightning strikes. It protects devices and the console from transients.

The isolator can be placed on the Host-Remote data line between the Host and Remote Master Controller. It is typically located adjacent to the Host Master Controller.

More than one isolator can be used on the data line. In cases where the data line is greater than 1 mile, the 697 will also provide a signal boost to the data signal traveling in both directions.

The HM-697 is powered by the standard 12 volts DC supplied to all Sentry devices. The voltage source can come from supplies on either the input or output side of the HM-697. A separate power supply is not necessary, since the HM-697 includes isolated internal supplies. It is important to assure the DC supply has battery back-up for data transfer during power outages.

The HM-697 Data Line Isolator is typically mounted using the Model HM-595 Plastic PCB track and depending on the number used, enclosed in a Model HM-720 or Model HM- 722 Enclosure. Screw terminals are provided for all field wiring.