

HERITAGE MEDCALL TECHNICAL SPECIFICATIONS

Model HM-696F HIGH-VOLTAGE DATA LINE ISOLATOR

- ELECTRICALLY ISOLATES A DATA LINE
- 1000 VOLT ISOLATION MINIMUM
- POWERED BY 12 VOLTS DC
- TRANSIENT SUPPRESSION
- SCREW TERMINALS CONNECTIONS



DESCRIPTION:

The Model 696F Data Isolation Module provides serial data isolation over 1500 volts between its input and output terminals, and may also be used for signal conditioning when serial data runs exceed 4000 feet.

The module is powered by 10-14 VDC and draws 60-70 mA. The power supply is directly referenced to the data input (J1) and should not use power which will be used to power devices on the output (J2) side of the isolator, which would defeat the modules isolation.

Indicators are provided to show when data is being transmitted, and in which direction. The module mounts using surface mounted snap track (Model 595) or #4 hardware, and can be housed in either Model 720 or Model 722 enclosures.

Power for the unit should be provided by an uninterruptible source for continued operation with the rest of the Sentry system during a power failure.

The new "F" model differs from earlier versions in two major areas. First the unit can be used on either data lines communicating with addressable devices such as Model 527 Host Panels, or on data lines used for communicating with LCD Display Panels. The second difference is this unit is capable of being inserted anywhere in the communications line, even in parallel with other isolators on the same data line. These features are useful when installing in campus arrangements to provide data isolation due to multiple power supplies and for lightning suppression. The isolation Module is equipped with rapid acting 1500 Watt suppressors on both the input and output side of the module to help reduce damage on the data line from lightning induced transients.