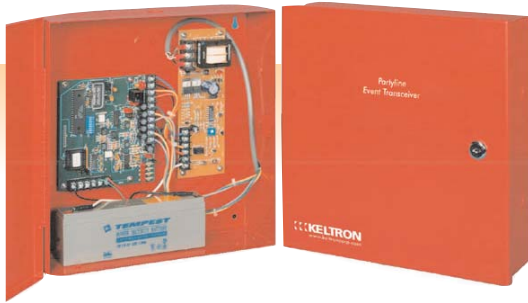


Keltron PET602 Distributed Multiplex Transceiver



Enables faster event communication

Reduces capital expense

Increases operator accuracy

Keltron's PET602 is one of a series of distributed-multiplex, addressable transceivers that provide a low cost and reliable method of protecting a wide range of proprietary, commercial, and industrial buildings and complexes.

The Keltron PET602 provides retransmission of serial data via fiber optics and is compatible with multiple FACP's from varied manufacturers for maximum flexibility. Fiber optic signaling line circuitry provides isolation and high noise rejection and is lightning proof.

Keltron PET602 benefits

Flexibility - compatible with multiple FACP's from different manufacturers

High Performance - high-performance error-detection during serial, multiplexed signal transmission

Reliability - fiber optics provide long term protection from wear and weather

Keltron PET602 features

- ✔ Compact and easy to install
- ✔ Serial data input RS-232C with software and hardware handshake
- ✔ Communications link is supervised when supported by the monitored FACP
- ✔ Contains both serial alarm input circuitry and full dual port fiber optic signaling circuit capability
- ✔ Includes two independent ports for NFPA 72 signaling line circuit classes A or B to style 7
- ✔ Wide range low power input - 10.8-25V at 150mA
- ✔ Runs from FACP power with no compromise of ground fault detection
- ✔ Runs from FACP power while maintaining isolation between separate FACP's on the fiber backbone
- ✔ Enclosure may include optional tamper switch whose condition is reported to the host

15:36:09 15:36:09 15:36:09
02/27/07 02/27/07 02/27/07

www.keltroncorp.com

15:36:09 15:36:09 15:36:09
05/18/08 05/18/08 05/18/08
20:36:09 20:36:09 20:36:09
08/07/08 08/07/08 08/07/08

Specifications

Input: 1 serial data channel RS232C with XON/XOFF and CTS/RTS handshaking

Communications: Dual port, NFPA Style 7 distributed multiplex

Multimode fiber optic interface:

850 nm wavelength
ST connectors
Receiver sensitivity -25.4 dBm
Output power (typical)
-14.8 dBm into 50/125 fiber
-11.0 dBm into 62.5/125 fiber
-5.5 dBm into 100/140 fiber

Distance between transceivers:

10,000 feet typically attainable with 62.5/125 fiber. Always allow a 2 dB safety margin in all calculations.

Example:

With 62.5/125 fiber, the Optical Power Budget is 14 dB (25 dBm Receiver sensitivity -11 dBm Output power). Allowing 2 dB for connections and splices, 2 dB for the safety margin and 3 dB/Km cable attenuation (14 dB - 2 dB - 2 dB)/3 dB per Km = 3.3 Km or ~10,800 feet.

Other fiber sizes will yield different results.

Compatibility:

Monitors: Keltron DMP703/DMP704 system central processors

Panels: consult factory, multiple manufacturers

Power:

1. DC 17.6 - 25 VDC, 150 mA
2. IDC (isolated) 17.6-25V, 170 mA
3. AC 108-132V RMS (isolated), .1A

Mechanical:

4.8" x 5.2" PC board, mount inside FACP or locking enclosure - red or tan
14" H x 17"W x 4"D in a Keltron PETBX for wall mounting
A Keltron PETENC enclosure that holds 4 units is also available.

Environmental:

Temperature range 0° to 49° C, humidity 0° to 85% non-condensing

Shipping Weight:

Keltron PETBX = 6 lbs each
Keltron 95M3189 (DC) or 95M3189-1 (IDC) PC boards = 1 lb each
Keltron 95M3189/95M3193 PC boards - AC = 2 lbs each set

Keltron develops and manufactures secure, reliable, UL-listed fire and security alarm response management systems and components for the municipal and proprietary life safety markets. Products include radio fire alarm, coded fire alarm and high-line security systems, digital alarm receivers, universally compatible fire alarm control panel networking solutions and a full line of alarm annunciators. For more information, visit www.keltroncorp.com or contact us at 781-894-8710 X 26, or info@keltroncorp.com.

© 2007 Keltron Corporation. All rights reserved.

