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Keltron PET402 Distributed Multiplex Transceiver



Keltron's PET402 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 PET402 is especially appropriate for use in campus environments and industrial complexes because it enables reliable use of existing wire and wiring topologies for all communication between modules and the central monitoring host. The PET402 module and the FACP may be located up to several miles apart when using an optional modem.

Keltron PET402 benefits

- Reliability**- high-performance error-detection during serial, multiplexed signal transmission
- Low cost** - retransmits serial data output from multiple FACP's with a cost saving wiring flexibility
- Flexibility** - compatible with multiple FACP's from different manufacturers

Keltron PET402 features

- Compact and easy to install
- Contains both serial alarm input circuitry and full RS485 signaling circuit capability
- Contains two independent RS485 ports that each regenerate and retransmit signals
- Branching minimizes wiring and allows miles of distance capability
- NFPA 72 signaling line circuit classes A or B to style 7
- Wide range low power input - 17.6V at 80mA
- Serial data input RS-232C with software and hardware handshake
- Communications link is supervised when supported by the monitored FACP
- Runs from FACP power with no compromise of ground fault detection
- Enclosure may include optional tamper switch whose condition is reported to the host

Specifications

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

Compatibility:

Monitors: DMP703 central processor and DMP704 system

Panels: Consult Factory

Communications¹: RS485 to NFPA Style 7 distributed multiplex 4000 feet range or, with branching virtually unlimited

Power: 1. DC 8 - 27 VDC, 75mA,
2. IDC (isolated) 15-24V, 100mA
3. AC 108-132V RMS (isolate), 1A

Mechanical: 4.8" x 5.2" PC board Mount within FACP or locking enclosure - red or tan 11.375" x 11.375" x 3.5" in a PETBX for wall mounting

A PETENC enclosure that holds 6 units is also available.

Shipping weight: PET box = 6 lbs, PC boards - DC/- IDC = 1 lb, - AC = 2 lbs

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

¹Note: limit is 4Kft per EIA RS485; our low Baud rates do 10Kft between PETs with 18AWG wiring.

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.keltronicorp.com or contact us at 781-894-8710 X 26, or info@keltronicorp.com.

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