

15:36:09 15:36:09 15:36:09
08/22/06 08/22/06 08/22/06

Datasheet

KELTRON

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

20:36:09 20:36:09 20:36:09
08/07/07 08/07/07 08/07/07

Keltron PET404/408 Distributed Multiplex Transceiver



Keltron's PET404 and PET408 are two 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 PET404 with four and PET408 with eight inputs are especially appropriate for use in campus environments and industrial complexes. A system combining multiple PET modules can provide monitoring for up to 2048 contact points across long distances.

Keltron PET404/408 benefits

Reliability- high-performance error-detection during serial, multiplexed signal transmission

Low cost - monitors multiple FACP's with a cost saving wiring flexibility

Flexibility - compatible with any FACP or device with relay outputs

Scalability - system of multiple PET modules can monitor thousands of contact points

Keltron PET404/408 features

- Compact and easy to install
- Distributed-multiplex operation includes individually addressable inputs
- Contains two independent RS485 ports that each regenerate and retransmit signals
- Enables branching to minimize wiring and allow miles of distance capability
- Full RS485 signaling circuit capability
- Uses balanced line RS485 communication between modules and the central monitoring host
- Includes two independent ports for NFPA 72 signaling line circuit classes A or B to style 7
- Contains 4 or 8 inputs per module - EOL resistor-supervised
- Unique 3-resistor monitoring enables monitoring of up to five conditions per input
- Input stage hardware plus special software filter out spurious signals
- Wide range low power input - 10.8-25V at 40mA
- Runs from FACP power with no compromise of ground fault detection
- Runs from FACP power while maintaining isolation from separate FACP's on the wiring scheme
- Enclosure may include optional tamper switch whose condition is reported to the host

Specifications

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

Inputs: 4 or 8 zones - field selected networks allow choice of NO or NC contacts - relays, FACP contact outputs, security points

End-of-Line resistor types:

Single resistor: Keltron network - H (FIRE applications) complies with UL style A

Dual resistor: Keltron network (FIRE applications) complies with UL style A

3 resistor: Keltron network D or E for 5 state reporting

Power: 1. DC 8 - 27 VDC, 25 mA
2. IDC (isolated) 15-24V, 50 mA
3. AC 108-132V RMS (isolated), 0.05A

Mechanical: 4.8"x 5.2" PC board- not including AC PS/battery charger, mount within FACP - red or tan 11.375" x 11.375" x 3.5" in a PETBX wall mounting enclosure

A PETENC enclosure that holds 6 units is also available.

Status LEDs (field enabled for power conservation)

4 LEDs indicate - Power on, Transmit Receive, Input abnormal

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

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

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

© 2006 Keltron Corporation. All rights reserved.