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 FACPs 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 FACPs on the wiring scheme
- Enclosure may include optional tamper switch whose condition is reported to the host

**Specifications**

**Communications:** 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 0º to 49ºC, 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.

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