

APPLICATIONS

ALARM ZONE CONTACTS TRAVELING THROUGH THE AC POWERLINE

Here is an interesting situation. I want to be able to have my alarm system protect my house and my garage. The problem is my garage is detached from the home. I have AC power in the garage fed from the house and I do not want to pull more wire for the alarm to protect the garage.

Solution:

In the garage, loop your alarm wires from all the magnetic reed contacts (door sensors, window sensors, pressure mat, etc.) to one set of wires. This set will represent a normally closed zone.

- Connect the normally closed zone wires to the PSC01 Powerflash Interface.
- Set the PSC01 for a House and Unit Code not used for anything else in the home.
- Set the Mode to 3 for One Unit Code ON/OFF.
- Set the Input to "B" for contact closure
- Plug the PSC01 into an AC outlet.

Inside the home at the alarm panel connect a set of wires from the alarm panel zone to a PUM01 Universal Module.

- Set the PUM01 to Mode 3 for Relay Only.
- Set the Relay to continuous.
- Set the PUM01 House and Unit Code to match the PSC01.
- Plug the PUM01 into an AC outlet.

Cause and Affect:

Someone violates the garage and the loop is broken to the PSC01:

The PSC01 transmits an X10 OFF command to the

PUM01 located inside the home and attached to the alarm panel zone for the garage.

When the PUM01 turns OFF, the contact on the PUM01 is broken to the alarm panel and the alarm goes to an alert condition (if it was armed).

When the garage loop is made secure, the PSC01 will transmit an ON command to the PUM01 which will latch up and tell the alarm panel that the zone is closed.

You have now moved a contact closure through the 120VAC without having to pull wires to or from either location.

