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**We Bring Security To Light™**

Application Note:

## **Incorporating the Interceptor™ Optical Network Security System into the building IDS/Security System**

Incorporating INTERCEPTOR into the building IDS/security system is simple from a hardware standpoint. Each 4-port INTERCEPTOR will have a total of 6 different dry contacts as listed below:

- 1) Equipment Self-Check
- 2) Master Alarm (Any Port)
- 3) Alarm - Port 1
- 4) Alarm - Port 2
- 5) Alarm - Port 3
- 6) Alarm - Port 4

On a normal install, we recommend that for each 4-port INTERCEPTOR to be installed, 5 additional copper pair security drops (such as what is used for door contacts, motion sensors, etc) be wired into the IDS or security system at that location. Therefore, if installing four 4-port Interceptors, an additional 20 security drops, and any related infrastructure needed for the security system to receive alarms from those drops (i.e. additional relays, cards, etc.), will be needed.

This way, each port equates to a security zone (which security personnel typically prefer). It also provides the ability to receive an alarm if an INTERCEPTOR malfunctions or loses power.

Once the drops are connected to the INTERCEPTOR, the security system can be configured so that those drops are 'programmed' or 'remarked'. Therefore, if and when there is an alarm, the IDS system security forces will know which INTERCEPTOR and port is alarming, and which cable run or work area needs to be inspected.

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