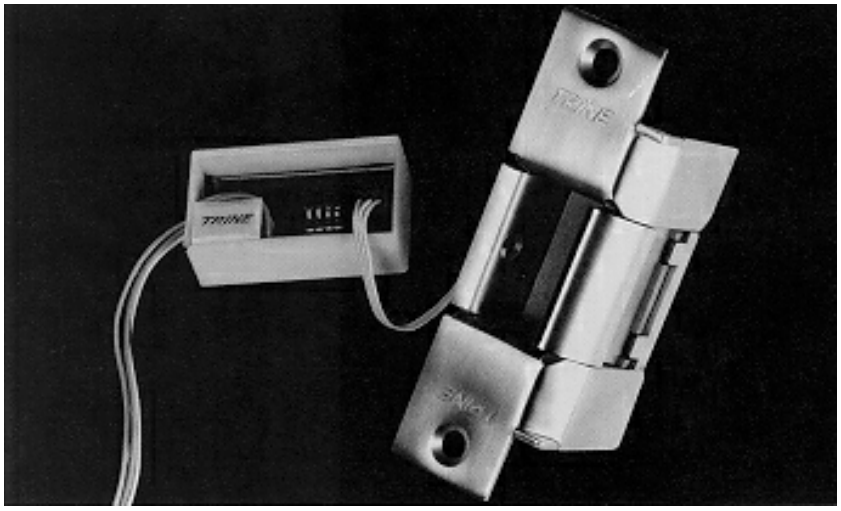
OPTICAL SECURITY SENSOR

EN-LB INFRARED SECURITY SENSOR



It is now possible to confirm the positive latching of a lock set in all ten Trine EN Series Heavy Duty Electric Strikes. The new device utilizes a nonmechanical Honeywell® IR sensor featuring a weather resistant sink module. It is unaffected by ambient light and contains four sensitivity settings that adjust to various latch bolt configurations. The Security sensor EN option permits remote monitoring of a door's secured condition by confirming engagement of a lock set and the strike. It continually monitors whether a latch bolt has been retracted by transmitting a signal which can be implemented in either an audio or visual notification system.

APPLICATION

- Remote central station notification
- Local alarm monitoring
- Triggering video surveillance & recording systems
- Active relay for trap door systems

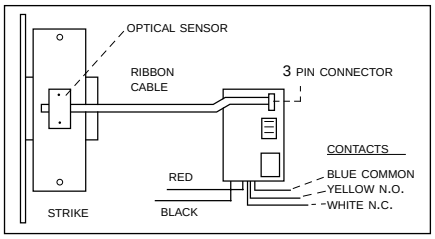
TECHNICAL SPECIFICATIONS

- Honeywell® IR optical sensor
- 4 sensitivity settings for various latch bolt configurations
- NO & NC relay contacts
- Single pole, double throw, Form "C" relay rated at 1- amp at 24 vac or 24 vdc
- Module power source rating of 12-24 vdc
- Current consumption is 0.034 ampere at 12vdc & 0.045 ampere at 24 vdc

FEATURES

- Module is small enough to tuck away into door frame
- Weather resistant heat sink module
- Sensor is concealed out of sight
- Non Mechanical
- Optional on 10 different EN Series Strikes
- Ignores ambient light, detecting reflected IR energy from latch bolt
- Quick disconnect sensor ribbon cable from module for simple strike servicing
- Color-coded wire leads

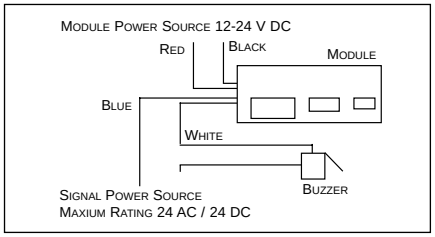
OPTICAL SENSOR



INSTALLATION

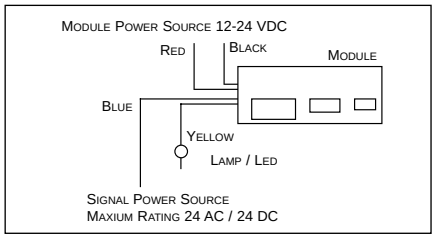
The sensor module should be installed so as to eliminate mechanical strain on the sensor ribbon cable. Excessive strain on this cable can result in impaired operation. Unused wires should not be clipped off, but taped back to permit future use if required.

WIRING METHODS/FUNCTIONS N/C AUDIO



This configuration uses an audible alarm such as a buzzer to sound alarm when the door is opened. While the sensor detects the presence of a latch bolt the relay remains in an open position. Note that the alarm power source may be AC or DC depending upon the alarm requirements. Note that the yellow wire (n.o.) is not used.

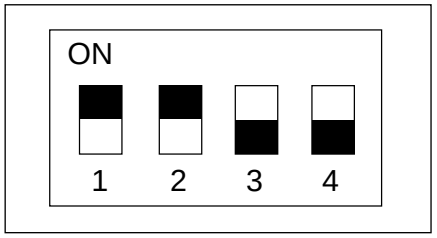
N/O VISUAL



This configuration uses a lighted lamp or led to indicate when the door is secured. While the sensor detects the presence of a latch bolt the relay remains in the closed position. The lamp will extinguish when the door is opened. In this configuration the white wire (n.c.) is not used. Be sure to use proper series resistance when using led indicators.

SENSITIVITY ADJUSTMENT

(FACTORY DEFAULT)



This configuration uses a lighted lamp or led to indicate when the door is secured. While the sensor detects the presence of a latch bolt the relay remains in the closed position. The lamp will extinguish when the door is opened. In this configuration the white wire (n.c.) is not used. Be sure to use proper series resistance when using led indicators.