T.Rex
Request to Exit Detector

Features That Make a Difference:

- Accurate and adjustable detection zone

- Horizontal and vertical adjustment

- Unlocks or shunts door automatically
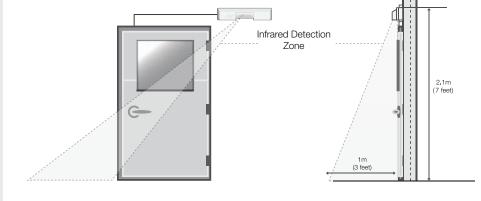
- Hands-free, no buttons to push

The Smart Exit Detector

T.Rex provides a complete solution to exit detection and door surveillance for access control applications. Outstanding innovations such as horizontal and vertical Detection Zone Targeting and DSP (Digital Signal Processing) make T.Rex the fastest and most reliable exit detector on the market today.

Horizontal and vertical targeting adds an extra layer of security by adjusting the detection zone. The detection area of the T.Rex can be adjusted so that it will not "hit" the floor along the doorjamb, defeating any attempt to circumvent door supervision by sliding objects under the door.

In addition, it uses infrared detection coupled with DSP sampling to allow the T.Rex to accurately detect exits and prevent false "Door Forced Open" alarms.

Installation and Detection Pattern

Infrared Detection Zone

2.1m (7 feet)

1m (3 feet)

Simple Two-Step Installation:

1. Choose Location

   - Recommended locations include door header, wall or ceiling.

   - Ensure clear line of sight from detector to every part of detection area.

   - Detection zone pattern is down and away from door (to inhibit tampering).

   - Do not place detector directly across from a window

2. Adjust

   - Can be adjusted to detect an individual either in front of door or several steps away from door.

   - Detection zone span and target direction is set by turning louver direction screws.
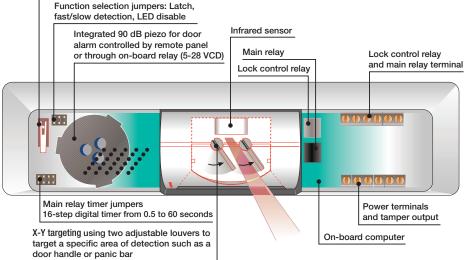
General

Detector Type . . . . .Passive infrared
Filter Technology . . . . .Digital Signal Processing (DSP)
Detector Lens . . . . .Curtain-type Fresnel lens
Detection Range
  Narrow Targeting Area . . . . .3 m (10 ft)
  Whole Body . . . . .6 m (20 ft)
Piezo Buzzer . . . . .90 dB at 28 VDC, 5-28 VDC,
                             20 mA (XL & XL2 only)
Main Relay Contacts . . . . .SPDT, 1A max @ 30 VDC max
Main Relay Timer. . . . . .Adjustable, 0.5 to 60 seconds
Main Relay Recycle Timer . . . . .Fixed, 0.75 seconds off
Lock Control Relay . . . . .Available on LT2 and XL2 models only,
                             solid-state relay, N.C.,
                             2A max @ 30 VDC, timed at
                             2 seconds fixed
Tamper Switch . . . . .N.C., 100 mA max @ 30 VDC max
Indicator Light . . . . .Red/Green LED
Mounting. . . . . .Optional backplate available for
                             mounting the T.REX on a standard
                             single-gang electrical box

Physical

Dimensions (H x W x D). . . . . .4.5 x 19 x 4.75 cm
                             (1.75 x 7.125 x 1.875 in)

Electrical

Power Consumption . . . . .12-28 VDC, 50 mA

Regulatory

Certifications . . . . .UL294, CE, FCC, ULC

Product Diagram

Tamper switch N.C.

Function selection jumpers: Latch, fast/slow detection, LED disable

Integrated 90 dB piezo for door alarm controlled by remote panel or through on-board relay (5-28 VCD)

Infrared sensor

Main relay

Lock control relay

Lock control relay and main relay terminal

Main relay timer jumpers
16-step digital timer from 0.5 to 60 seconds

X-Y targeting using two adjustable louvers to target a specific area of detection such as a door handle or panic bar

Power terminals and tamper output

On-board computer

T.REX Model

Related Products

EntraPass Security Software

iIoProx Readers

TInstall™

TURNSTILE INSTALLATION