

## 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

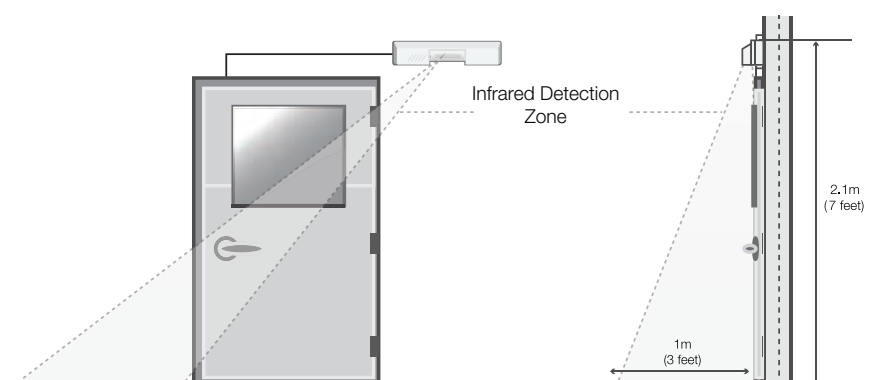
T.Rex provides a complete solution to exit detection and door surveillance for access control applications. Outstanding innovations such as horizontal and vertical Detection Zone Targeting and DSP (Digital Signal Processing) make T.Rex the fastest and most reliable exit detector on the market today.

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



### 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)
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## Electrical

Power Consumption	12-28 VDC, 50 mA
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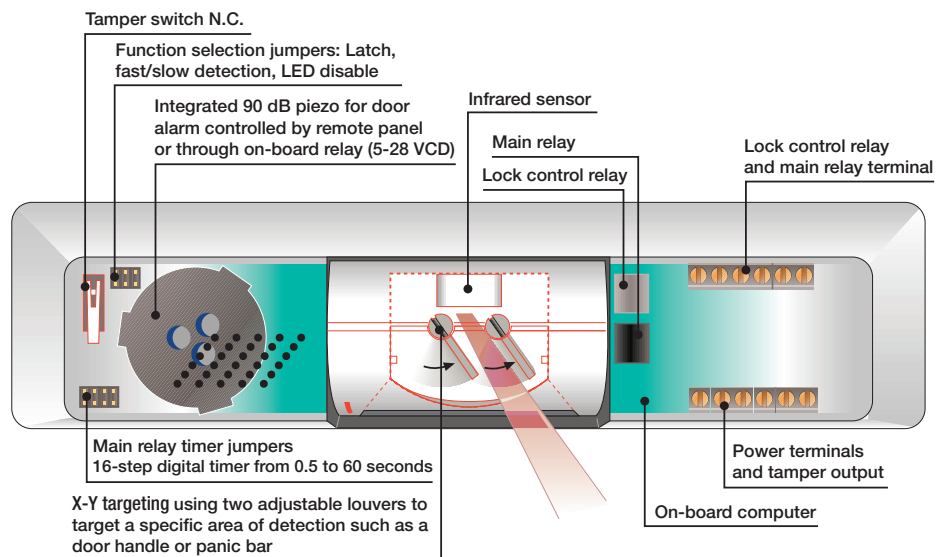
## Regulatory

Certifications	UL294, CE, FCC, ULC
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## Model Numbers

T.REX-LT	T.Rex request-to-exit detector with tamper and timer, white
T.REX-LT-NL	T.Rex request-to-exit detector with tamper and timer, white (unbranded)
TREX-LT2	T.Rex request-to-exit detector with tamper, timer and 2 relays, white
T.REX-LT2-NL	T.Rex request-to-exit detector with tamper, timer and 2 relays, white (unbranded)
T.REX-XL	T.Rex request-to-exit detector with tamper, piezoelectric buzzer and timer, white
T.REX-XL-NL	T.Rex request-to-exit detector with tamper, piezoelectric buzzer and timer, white (unbranded)
T.REX-XLBLK	T.Rex request-to-exit detector with tamper, piezoelectric buzzer and timer, black
TREX-XL2	T.Rex request-to-exit detector with tamper, piezoelectric buzzer, timer and 2 relays, white
T.REX-XL2-NL	T.Rex request-to-exit detector with tamper, piezoelectric buzzer, timer and 2 relays, white (unbranded)
T.REX-XL2BLK	T.Rex request-to-exit detector with tamper, piezoelectric buzzer, timer and 2 relays, black
T.REX-PLATE	Single-gang box mounting back plate, white

## Product Diagram



T.REX-XL2 model shown

## Related Products



EntraPass Security Software



ioProx Readers



DK-1 Door Hardware Kit



Kantech Door Controller Family

## Approvals



[www.kantech.com](http://www.kantech.com)