



## 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

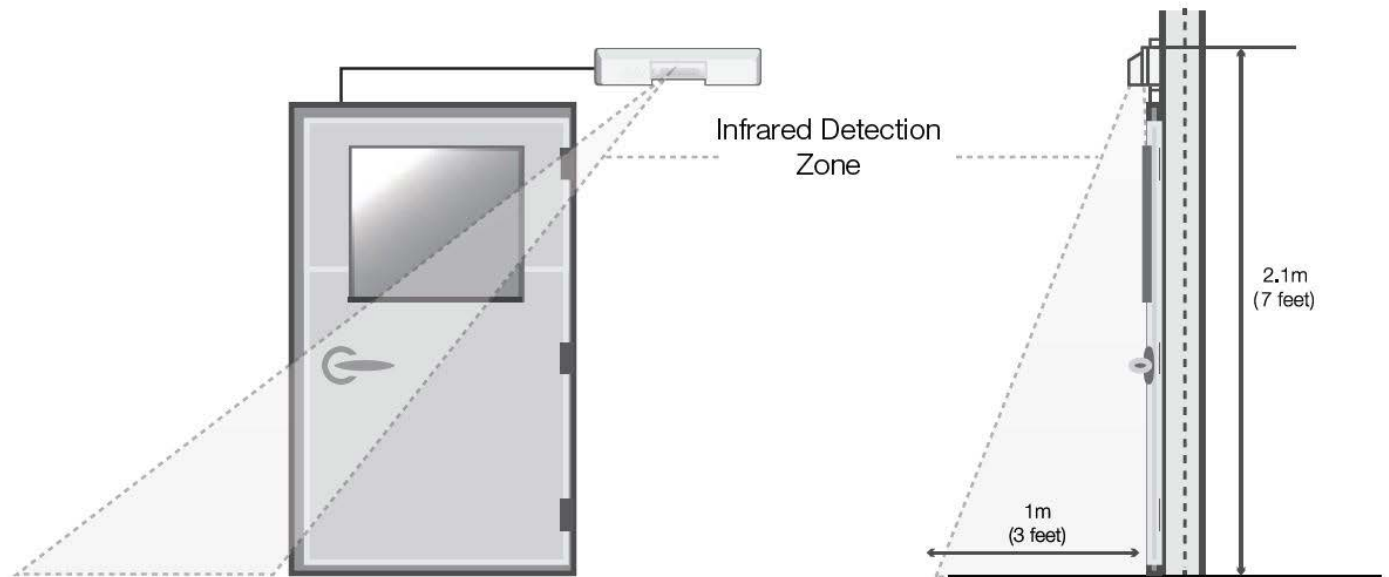
### The Smart Exit Detector

Kantech's 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.

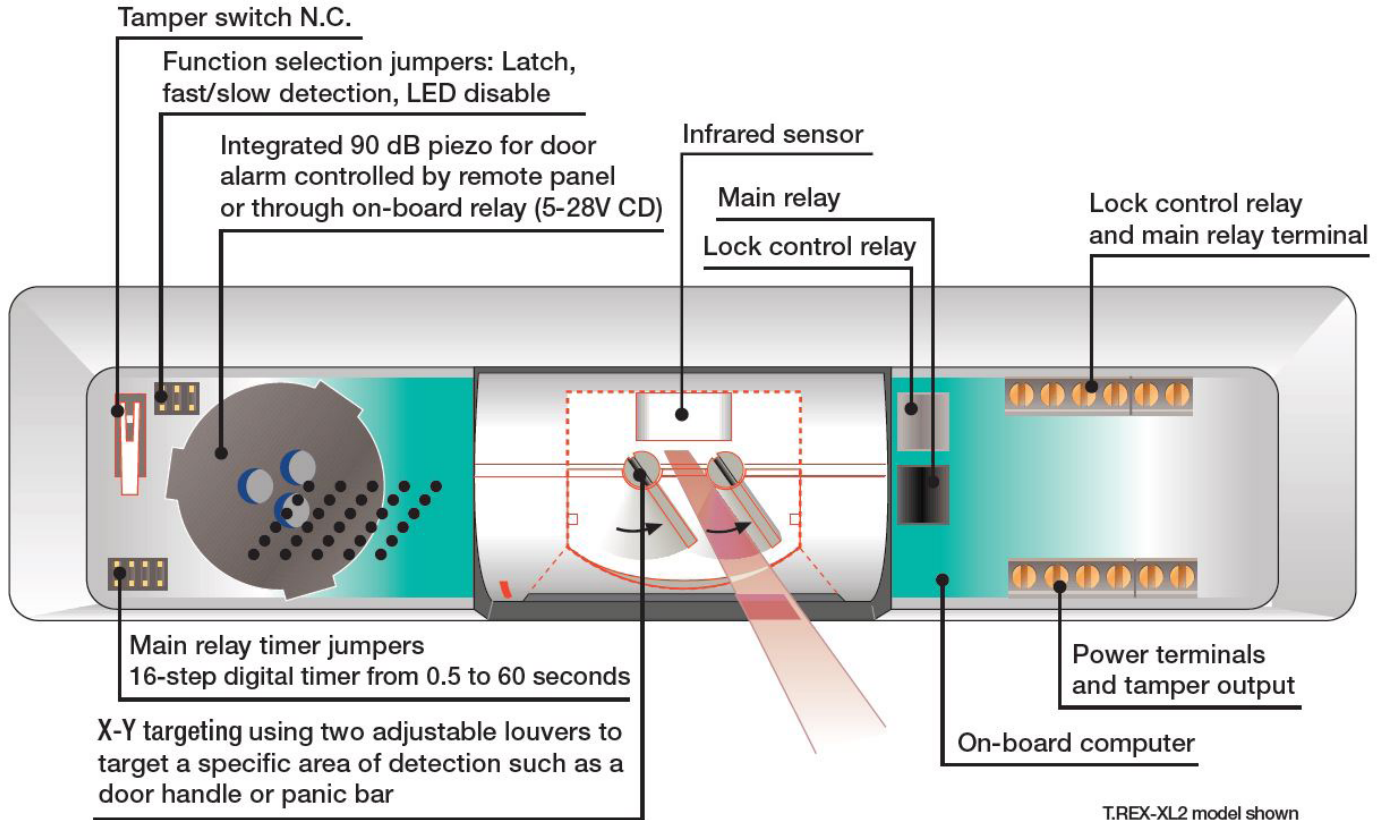
## Installation and Detection Pattern



### 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.

# Product Diagram



# Specifications

General	
Detector Type	Passive infrared
Filter Technology	Digital Signal Processing (DSP)
Detector Lens	Curtain-type Fresnel lens
Detection Range	Narrow Targeting Area: 3m (10 ft) Whole Body: 6 m (20 ft)
Piezo Buzzer	90 dB at 28V DC, 5-28V DC, 20 mA (XL & XL2 only)
Main Relay Contacts	SPDT, 1A max @ 30V DC 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 @ 30V DC, timed at 2 seconds fixed
Tamper Switch	N.C., 100 mA max @ 30V DC max
Indicator Light	Red/Green LED
Mounting	Optional back plate available for mounting the T.Rex on a standard single-gang electrical box

<b>Physical</b>	
Dimensions (H x W x D)	4.5 x 19 x 4.75 cm (1.75 x 7.125 x 1.875 in)
<b>Electrical</b>	
Power Consumption	12-28V DC, 50 mA
<b>Regulatory</b>	
Certifications	UL294, CE, FCC

## Ordering Information

Model Number	Description
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

### About Johnson Controls

Johnson Controls is a global diversified technology and multi-industrial leader serving a wide range of customers in more than 150 countries. Our 120,000 employees create intelligent buildings, efficient energy solutions, integrated infrastructure and next generation transportation systems that work seamlessly together to deliver on the promise of smart cities and communities. Our commitment to sustainability dates back to our roots in 1885, with the invention of the first electric room thermostat.

For additional information, please visit [www.kantech.com](http://www.kantech.com) or follow us on Twitter, Facebook and LinkedIn.