



Keyscan's tailgating detection system (TDS) is designed for high security applications where tailgating presents a serious threat.

With the provided Keyscan reader, the TDS interfaces with the Keyscan access control panels and other physical access control products. When more than one person passes through the curtain on a single card read, the TDS will trigger the built-in audible alarm as well as activate an alarm relay that can be interfaced with the access control system.

When maximum security is required for secure areas such as server rooms, man traps, clean rooms and other areas, the TDS adds an unprecedented layer of security to any access control system.

FEATURES

- Triggers an on-board audible alarm as well as an alarm relay when more than one individual enters a secure area on a single card read
- Keyscan's door relay authorizes passage and lock control when used with the provided TDS interface relay (DPDT)
- Can be wall mounted or door frame mounted
- 32 IR sensors allow for directional detection and provide over 30" (76.2 cm) of vertical detection range
- Kit includes: 1 Transmitter unit with internal reader mount bracket (concealed installation for door mount configuration), 1 Keyscan reader, 1 TDS interface DPDT relay (for use with access control system), 1 Receiver unit, and 2 Bypass Keys
- The mounting distance between the transmitter unit and receiver unit must be 30" (76.2 cm) min. to 80" (203.2 cm) max.
- For indoor use only

SPECIFICATIONS

OUTPUT RELAYS: (Output contact rating: 1 Amp @30 Vdc / 0.5 Amp @125 Vac)

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|---------------------------------------|--|
| Mag Lock Relay | Can be used to control an electric lock in response to a valid user input. Form C (held 5 sec) |
| Alarm Relay | Connect to remote equipment to monitor alarm conditions. (Alarms Include: Tailgater, Door Prop, Loiter, and Tamper conditions) Changes state to indicate alarm. Form C (2.5 second minimum duration) |
| Door Relay | Connect to remote equipment to monitor door status. Form C (Follows Door Input) |
| "A" & "B" Passage Complete | These relays change state upon valid passage of a user from the A or B side. Form C (held 1 sec) |

INPUTS: (all Inputs share 2 common GNDs on connector)

| | |
|-----------------------|---|
| Valid "A" Card | N/O contact from ACS that momentarily closes to indicate a valid user approaching from the "A" side.* |
| Valid "B" Card | N/O contact from ACS that momentarily closes to indicate a valid user approaching from the "B" Side * * Enable free passage by shorting input for valid A or B Card. |
| Bypass | N/O contact that enables bypass when closed. Resets alarm. Same function as key switch. |
| Door | Closed loop from door when door is closed. Optional, used for door prop monitoring and enhanced TDS operation. |

POWER REQUIREMENTS*

| | |
|--------------|--------------------|
| Power | 12-24 Vdc @ 500 mA |
|--------------|--------------------|

ORDERING OPTIONS

| | |
|-------------------|---|
| TDS-PROX | TDS with K-PROX2 (125 kHz proximity reader) |
| TDS-SMART | TDS with K-SMART (13.56 MHz smartcard reader) |
| TDS-SM125 | TDS with K-SMART-125 (13.56 MHz smartcard and 125 kHz proximity reader) |
| TDS-SMG | TDS with K-SMART-GOV (13.56 MHz smartcard reader with government formats) |
| TDS-SMG125 | TDS with K-SMART-GOV/125 (13.56 MHz smartcard reader with government formats and 125 kHz proximity) |

OPTIONAL EQUIPMENT

| | |
|-----------------|---|
| TDS-SPCR | Optional 2" (5.08 cm) black spacer (set of 2) for mounting TDS on a cement wall or cement door frame to provide space for wiring. |
|-----------------|---|

* Refer to reader installation guide for specific power and wiring requirements

CONNECTION PLANNING TABLE

| INPUTS (N/O Shared Gnd) | # of wires | |
|-------------------------|------------------|------------|
| Valid "A" Card | 2 (22 AWG) | |
| Valid "B" Card | 2 (22 AWG) | |
| Bypass | 2 (22 AWG) | |
| Door Switch | 2 (22 AWG) | |
| Power 12-24 Vdc @ 500mA | Sender | 2 (18 AWG) |
| | Receiver/Control | 2 (18 AWG) |
| OUTPUTS Form C 1 Amp | | |
| Mag Lock Relay | 2 (18 AWG) | |
| Alarm Relay | 2 (22 AWG) | |
| Door Relay | 2 (22 AWG) | |
| "A" Passage Complete | 2 (22 AWG) | |
| "B" Passage Complete | 2 (22 AWG) | |

