

PART NUMBERS

12" Single Beam Unit for Directional Sensing Detector

TG-L-12-FE Card In / Free Exit

TG-L-12-CO Card In / Card Out

24" Dual Beam Unit for Directional Sensing Detector

TG-L-24-FE Card In / Free Exit

TG-L-24-CO Card In / Card Out

CARD IN / FREE EXIT OPERATION

This application uses one Local Door Alarm (LDA) circuit board with the internal tailgate monitoring program, and one or two sets of Doorway Mounted Sensors to monitor a card reader controlled door and to determine and annunciate unauthorized passage through the door. Standard card reader system inputs and outputs are utilized by the LDATG.

STANDARD SYSTEM INTERFACE

The lock output is monitored by the LDATG to determine when a valid card has been presented. The lock may be Fail-safe or Fail-secure. The lock output must be configured for Automatic Re-lock when the door is opened. The Normally Closed Door Contact is monitored directly by the LDATG. The Normally Closed Door Mimic Relay (DMR) is monitored by the card reader system. The Normally Closed Alarm Relay is monitored by the card reader system.

OPERATION

NORMAL ENTRY USING CARD READER

The DMR opens when the door is unlocked and opened, and closes when a person passes through the doorway. This relay cycle is expected by the card reader system and an authorized passage is registered in the card reader database.

TAILGATE ALARM

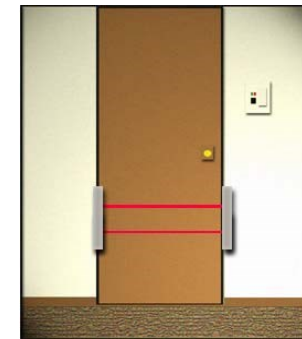
If a person walks through the doorway in the entry direction without presenting a valid card, the DMR opens again and the card reader system interprets that action as a Forced Door and an alarm is registered in the card reader database. The LDATG circuit activates the local sounder so that the alarm is annunciated at the door. The Normally Closed Alarm Relay opens. The alarm is reset after about 4 seconds.

FREE EXIT

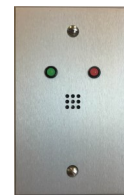
When a person walks through the doorway in the exit direction, no alarm is generated.



12" SINGLE BEAM TAILGATE



24" DUAL BEAM TAILGATE



DISPLAY PLATE

CUT SHEET CONTINUED

TECHNICAL SPECIFICATIONS

Power	12 VDC @ 250 max.
Inputs	1 lock control relay from card reader system. Lock may be Fail-safe or Fail-secure. Doorway mounted sensor pair(s)
Outputs	1 Normally Closed Door Mimic Relay (DMR) 1 Normally Closed Alarm Relay Alarm sounder @ 85dB Green LED indicates entry access enabled Red LED indicates secured mode - entry will generate an alarm
Field Adjustments	Tailgate Sensitivity Adjustment - sets the sensitivity of the Tailgate Detection software. Access time is 7 seconds by default. Optionally the system can be configured to allow an adjustable delay between 1 and 30 seconds. The system resets after the access granted delay expires if no passage through the sensing area is detected.
Mounting	Doorway Mounted Sensors are attached to the doorframe with self-tapping screws. Contact Kouba Systems for other mounting options. LDA circuit board is mounted next to the card reader interface module, either in a make-up box or in the equipment room where the card reader system is located. Sounder and LED Trim Plate may be mounted at the door mullion, 1 Gang box near the door, or in the ceiling above the door. A free-standing post is available where a doorway mounted unit is not desirable.
Dimensions	Tailgate Control Panel measures 10.5" x 10.5" to be mounted in a 12" x 12" electrical enclosure (not included) Doorway Mounted Sensor Housing, Single Beam - 12" L x 2.25" W x 1.375" D Doorway Mounted Sensor Housing, Dual Beam - 24" L x 2.25" W x 1.375" D Free-Standing Post - 2 x 3 x 30 in. (post) - 12 x 12 x 3 in. (footing)
Enclosure	NEMA 12x12x6 single door enclosure recommended (Not included)