ES4600-K1-T1

- **Enhances Access Control Systems**

  * Digital recorded message encourages users to keep monitored doors closed

  * Reduces false door/prop or door/held alarms - gives warning before alarm issued

  * Helps keep stairway and other sensitive passage ways secured

  * Controls perimeter doors in dormitories, data centers, etc

  * Tamper switch

Operation

The **ES4600 Series Voice Prompt Door Management Alarm (DMA)** (shown above) provides door management monitoring together with solid-state voice annunciation to provide a unique and effective solution for *propped or forced doors*. When a monitored door is held open longer than normal (adj. 0 sec. to 90 min. known as silent time) the ES4600 issues a repeated Alarm Delay message locally: *"Please close the door"*. If the door is closed within this time, the Alarm Delay warning message is terminated and the unit is reset. However, if held open beyond the Alarm Delay time a local alarm will sound (adj. 0 sec. to 5 min.) and a repeated alarm message is issued: *"Security violation, close the door"*. Together with this alarm message, a Form C relay contact is activated to provide alarm status for a door propped/door held or forced door indication to remote monitoring equipment. The unit can either Auto-Reset the alarms (adj. 0 secs. to 5 min.) or manually reset. This product incorporates all the features and functions of the ES4200 series using the voice annunciation instead of a piezo sounder.

Electrical Specifications

Power   12-24 VAC/VDC @ 500mA

Local Control   Key switch for reset/bypass
                       Tamper switch (T1)

Control Input   N/O or N/C alarm shunt
                       N/C door contact
                       N/O remote reset/bypass
                       Voltage sense shunt

Control Output   N/O and N/C door contact status
                       N/O and N/C door prop alarm status
                       N/O and N/C intrusion/tamper alarm status
                       N/O and N/C bypass/key switch status
                       Remote LED (used with ES450)

Adjustment   Auto reset 0 sec. - 5 min. or manual reset
                       Alarm delay 0 sec. - 5 min. or infinite
                       Silent time 0 sec. - 90 min.

Alarm   Field adjustable volume
                       Remote/Aux speaker out - 8 Ω

Mechanical Specifications

Dimensions   ES4600-K0   4.6"w x 4.6"h x 3.00"d
                       ES4600-K1   4.6"w x 4.6"h x 3.00"d
                       ES4600-K2   4.6"w x 4.6"h x 3.00"d
                       ES4600-K3   6.4"w x 4.6"h x 3.00"d
                       ES4600-K4   6.4"w x 4.6"h x 3.00"d
                       ES4600-K5   4.6"w x 4.6"h x 3.00"d
                       ES4600-K6   4.6"w x 4.6"h x 3.00"d
                       ES4600-K7   6.4"w x 4.6"h x 3.00"d

Key Switch Options * K0 No key switch
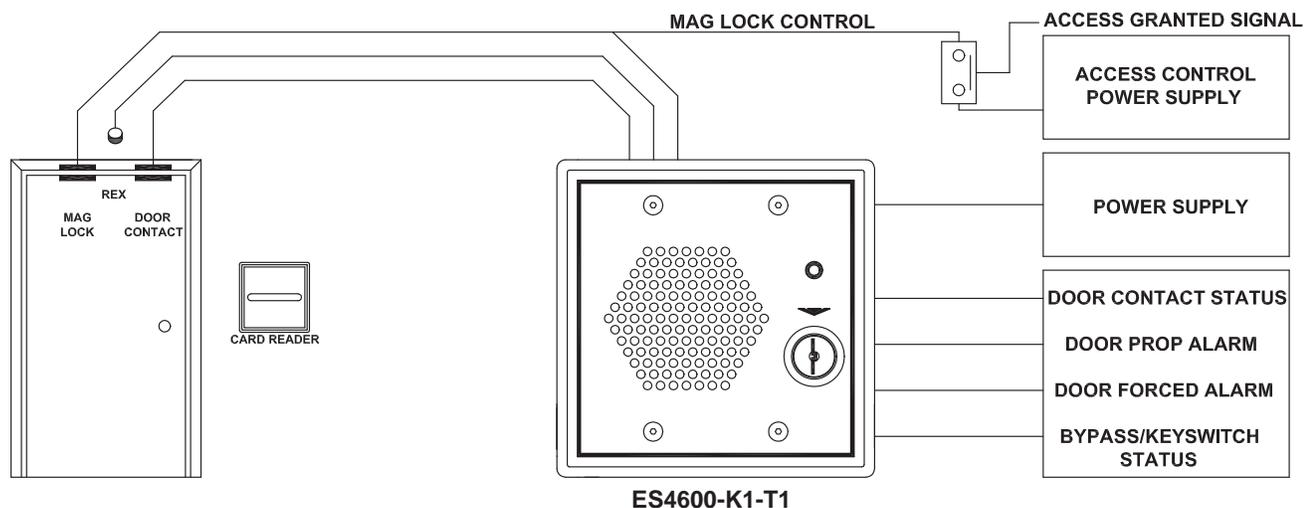   * K1 Double bit
                       * K2 Barrel
                       * K3 Rim hardware with cylinder
                       * K4 Rim hardware without cylinder
                       * K5 Medeco
                       * K6 DPDT
                       * K7 Rim with small format interchangeable core cylinder (SFIC)

Finish   Painted - DSI Beige

Options (field selectable)

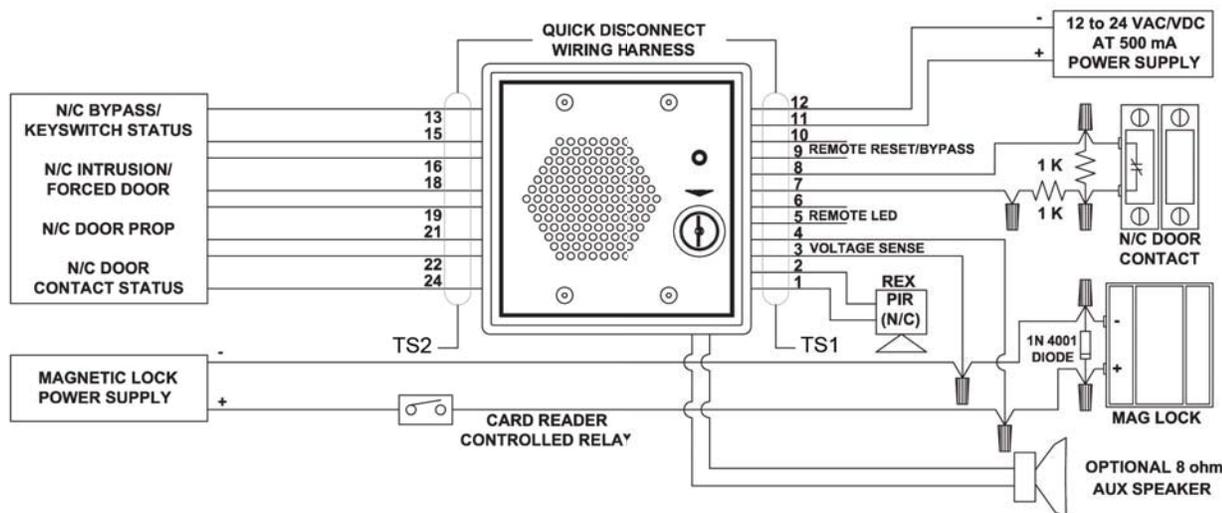   Shunt recycle
                       Shunt contact mode
                       Door supervision
                       Intrusion detection
                       Loud horn volume
                       Shunt delay timer
                       Extended silent time
                       Voltage sense mode
                       Tamper disable

Voice Prompt Door Management Alarm Application

ES4600-K1-T1

The **ES4600 Voice Prompt Door Management Alarm (DMA)** provides a "Voice Message" warning to alert personnel of possible "Door Held" or "Forced Door" security violations. Three adjustable time delay periods allow the alarm to be tailored for any access control application. The first period (known as silent time); adjustable from 0 sec. to 90 min., sets the time for normal access. If the monitored door is used and closed within this time, no warning is issued. However, if the door is held open beyond this period, a pre-warning message; adjustable from 0 sec. to 5 min., "*Please close the door*" is repeated according to the time setting mentioned above. Closing the door during the pre-warning message will silence that message and reset the unit. Holding the door beyond the pre-warning time will start an alarm message "*Security violation, close the door*" along with activating a "Door Held" form C relay output for remote monitoring of the activity. The third adjustment is "Auto Reset" of the alarm after the door closes; adjustable from 0 sec. to 5 min. or manual. This unit has all of the same features as the ES4200 and can also detect and annunciate "Forced Door" conditions with an alarm message and separate relay output of monitoring.

Wiring Diagram

ES4600 Accessories

Door Contact   **DSI part number DC/HS30, DC/SD80**
* Surface mount or recessed
* White
For specifications see accessories page 2, 3

Power Supply   **DSI part number PS/AC16**
* Basic surge protection
* LED power indicator
For specifications see accessories page 5

Extra Keys   **DSI part number K-1**
* Double bit key
* 2 keys included

DSI part number K-2
* Barrel key
* 2 keys included

DSI part number K-3
* Rim cylinder key
* 1 key included

DSI part number K-5
* Medeco key
* 1 key included

DSI part number K-6
* DPDT
* 2 keys included

ES4600 Options

Key Switch Options   * K0 No key switch
* K1 Double bit
* K2 Barrel
* K3 Rim hardware with cylinder
* K4 Rim hardware without cylinder
* K5 Medeco
* K6 DPDT
* K7 Rim with small format interchangeable core cylinder (SFIC)
For specifications see accessories page 1