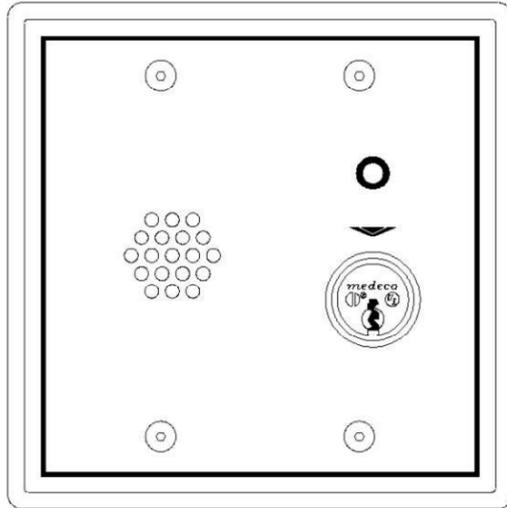


**FOLLOW THE STEP BY STEP
CONFIGURATION FOR EASY**



ES4200-723

**The DEFAULT SETUP is for
Service Entrances.**

- This unit may be connected to power and a closed-loop Door Input and be ready to work immediately for the Default application.

Timer Setting Defaults: (Step 4)

- Key Alert Time 5 seconds;
- Auto Reset Time 5 seconds

See text for Feature Description and Setup info.

TERMS USED IN THIS INSTRUCTION

N/C DOOR CONTACT - is a "closed-loop" circuit which goes open when the door is opened.

DMA - Door Management Alarm (i.e.: ES4200 series)

FOR TROUBLE-FREE INSTALLATION. VERIFY EACH SETTING & VERIFY ANY UNUSED FEATURES ARE SET CORRECTLY FOR YOUR APPLICATION

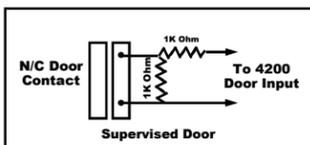
STEP BY STEP Jumpers: ON= short 2 pins;
OFF= one pin only.

1 DOOR, SUPERVISION, AND TAMPER

- Connect N/C Door Contact to TS1 7&8.
- If resistors are installed for Door Supervision:
 - place Jumper 1 ON and put resistors at door switch as shown in diagram.
 - If unused, leave Jumper OFF and use a closed-loop Door Switch circuit.

DOOR SUPERVISION EXPLAINED

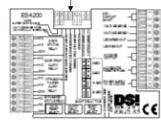
Door Supervision allows the ES4200 to monitor the circuit from the Door Contact for open or shorted wires which may indicate tampering. (via two 1KΩ resistors installed as shown)



- Tamper Alarm** (cannot be reset or bypassed)
 - To Enable feature cut cable tie on Tamper Switch located on standoff (Component Location on reverse).

2 INTRUSION DETECTION

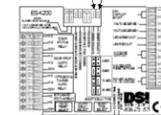
NOT USED IN THIS MODEL



4 TIMER SETTINGS SEE TABLE ON REVERSE

- KEY ALERT TIMER** begins after a Key or Bypass input and **if door is CLOSED** the timer counts down the time for User to Rearm (by restoring the Key or Bypass Input to normal). Timer cancels when system is in Armed Mode.

NOTE: Key Alert Alarm (beeping) will continue until Key is removed or Bypass is make normal and system is Armed.



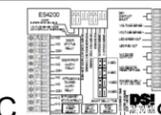
- AUTO RESET TIME SELECT** is the minimum time the Horn, LED and Relays are on following an Intrusion or Tamper alarm condition.

NOTE: Alarm will continue for as long as the door is open.

- Turn the dial to **SET** Timer (0 seconds to 5 minutes, or Manual).

5 POWER

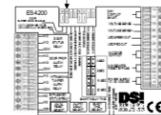
- POWER** - Connect 12-24 VAC/DC to TS1 11&12. Not polarity sensitive.



3 ACCESS CONTROL

- VOLTAGE SENSE**

NOT USED IN THIS MODEL



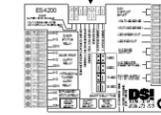
- SHUNT INPUT**

NOT USED IN THIS MODEL



- SHUNT RECYCLE**

NOT USED IN THIS MODEL



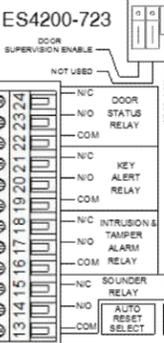
6 OUTPUTS (FORM-C)

- DOOR STATUS RELAY** TS2-22,23,24 changes state when the Door Input changes. Used to monitor changes in Door Contact status.

- KEY ALERT RELAY** TS2-19,20,21 changes state when a door is closed after being disarmed with Key or Bypass Input and Key Alert Timer has expired.

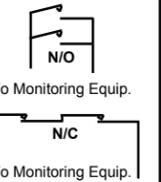
- FORCED DOOR/TAMPER ALARM RELAY** TS2-16,17,18 changes state when a door is forced or a tamper condition exists (Door Supervision/Tamper Switch).

- SOUNDER RELAY** TS2-13,14,15 follows the state of the Horn. Changes whenever Horn is on



ADDITIONAL OUTPUT INFORMATION

- Each of the Output functions offers the availability of monitoring a Normally Open or a Normally Closed Dry contact.
- Each contact's state will change to follow the status of the monitored function.
- To combine multiple outputs, connect N/O contacts in parallel, or N/C contacts in series. See diagrams at right. The use of any/all Outputs is optional.
- DSI's ES600 (4/8/12) Zone Annunciator series, and Custom Annunciator Panels, offer a turn-key solution for remote monitoring. (such as Security, Nursing, or Management stations, etc.)
- If Power is removed from the ES4200, each contact in it's normal state (powered), will change state. Example: Door Status will appear as if the door has been opened; Alarm and Bypass contacts will appear as if an alarm or bypass condition exists.



7 ADDITIONAL FEATURES

- BYPASS** TS1 (9&10) input, to N/O contact to remotely Bypass or Reset the unit.

- REMOTE LED** to TS1 (5&6). (from DSI ES450 with Bi-color LED)

- HORN VOLUME** - 75db



COMPONENT LOCATION INFO ON REVERSE