

# TMSTA\_84 Stand Alone Door Access



## 1. General

The TMSTA\_84 access controller is one of the simplest forms of door access. The TMSTA\_84 reads a touch memory disk which is placed on the reader. If the touch memory disk has been validated the green led will light and the door will be released. If it has not been validated the amber led will light and the door will not be released. 100 touch memory disks can be validated. A bank of six switches are mounted on the printed circuit board. These switches are used for programming, erasing and setting the duration of the door release relay.

## 2. Operation

### 1. Clearing memory

1. Switch the power off.
2. Switch SW 1.5 on.
3. Switch the power on.
4. The amber and green led's will be on to indicate that the memory will be cleared.
5. Switch SW 1.5 off and the memory will be cleared. The led's will go off. (It takes a few seconds for the memory to clear.

### 2. Programming

1. Switch SW 1.4 on.
2. Place the Touch memory disk on the reader. The amber led will flash once to indicate that the disk is read. If the Touch memory disk is placed on again the green led will light and the door strike relay will be activated.

3. The next Touch memory disk can now be programmed.
4. When all the Touch memory disks are programmed, SW 1.4 must be switched off.
5. More Touch Memory disks can be added at any time by switching SW 1.4 on again.

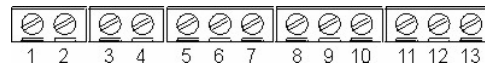
## 3. Door release relay

The duration of the door release relay can be set. A bank of six miniature switches are mounted on the printed circuit board (S1). The first five are for door duration, programming and erasing. While the first three are the duration of the door release relay.

When SW 1.1 is 'on' 1-second duration is set.  
When SW 1.2 is 'on' 2-second duration is set.  
When SW 1.3 is 'on' 4-second duration is set.  
When all 3 switches are 'on' the duration is  $1+2+4 = 7$  seconds.

**A diode must be fitted across the door strike coil.**

## 4. Technical Specification



### 1. Termination

1. Ground (RS485 E)
2. 14 – 24 vdc
3. RS485 E (not used)
4. Rs485 B (not used)
5. Rs485 A (not used)
6. Reader negative (black wire)
7. Reader positive (grey wire)
8. +12v (red wire)
9. Void led (green wire)
10. Valid led (white wire)
11. Relay normally open
12. Relay normally closed
13. Relay common

## 5. Guarantee

The TMSTA\_84 is guaranteed by the manufacture for a period of six months from the date of delivery against faulty components and faulty workmanship (ex factory).

Manufactured by:

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