

## Securitex Industrial Specialty Access Control System Design Division

### Securitex Man Trap Interlocking System



**Interlocking Access Control System (SMTIS-MTD680)**

#### **Description**

**Securitex Man Trap Interlocking System** (SMTIS-MTD680) was designed and developed by Securitex E S E. The system comes with programmable logic control to control up to 6 doors expandable to thousands of door in an interlocking sequence. The SMTIS-MTD680 is very suitable to be use in Prison, checkpoint, lock-up. Police station, Military bases, Oil and Gas refinery and even Wafer fabrication and Semiconductor plants etc.

#### **Operation**

Door release button or card reader output is feed into the first input at SMTIS-MTD680. When the First Door release button is activated, the interlocking sequence will start. Door 1 EM-lock de-energized and door 1 open, once the person enter door 1 and close door 1, Door 2 will then activate and release the EM lock, once door 2 is open and close, door 3 will activate and so on till the last door is open and close the sequent start again.

#### **Optional (Emergency)**

In the event that some one is between the man trap door (MTD) and need emergency attention, there is bypass switch to override the system so that all doors can be open from the control station. (3 level and double override permission can be incorporated in the system for security audit)

#### **Control Station Override**

The control station can override individual door and open the Man Trap door (MTD) from the Control Station.

#### **Automatic Lock Back (MTD)**

Our SMTIS-MTD680 system can detect that a door under sequence are left shut without opening and after a preset time is up, the MTD that is suppose to be open will be lock back. To reopen the MTD the person in that room has to press the intercom and speak to the officer at the control station. The SMTIS-MT680 can also detect the sequent door is open and not close thus the next door that is suppose to open will remain shut.

#### **MTD status monitoring**

To ensure that every MTD are monitored at the Control Room, our system will be able to send door status signal to the Control Station when the Man Trap Door monitor status is display on a Mimic Panel.

#### **Communication between Man Trap Door**

An intercom handset system will be installed at each room next to the man trap door (MTD) for communication between the individual rooms to the control station.

#### **Emergency Lock Down (ELD)**

In some applications, it may be necessary to lock down a facility during an emergency. Emergency can be classify due to a riot, some one carrying dangerous weapon, chemical attack in a facilities, toxic gas leakages in a laboratory, or for valid reasons that requires the facility to be lock down to prevent the public from harm. We can customize our system to have the ELD option.

#### **Surveillance and recording**

For high security area where the movement of personnel through the man trap door has to be monitored, we can integrate CCTV camera within the system to track movement within the rooms and record the movement route.

#### **Expansion**

As our SMTIS-MTD680 is fully design and custom made in Singapore at Securitex factory, we can fully re-engineered the system to handle unlimited numbers of doors in interlocking sequent and even integrate the system to door access control and the Building Automation System.

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