

Robust, Simple to Use, Access Control and Monitoring System for Schools

Securing the exterior doors for schools is an important part of ensuring a safe learning environment for students.

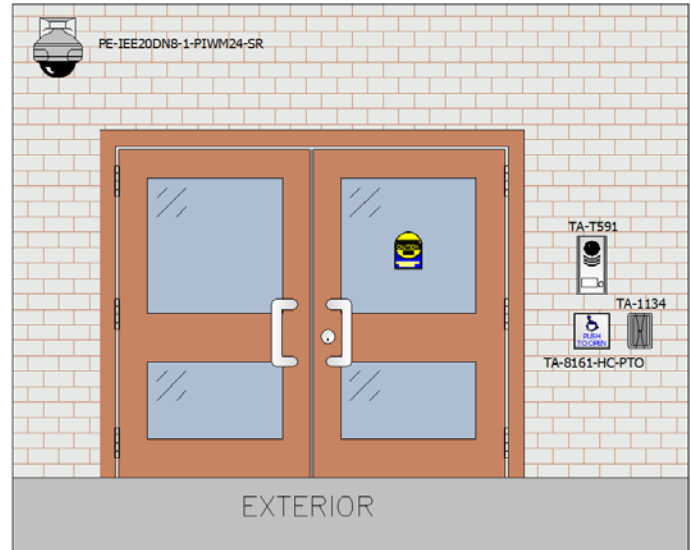
K.M. Thomas has designed this robust, simple to use access control and video monitoring system to make schools more secure. Using heavy duty electro-mechanical hardware and industry leading electronics, our Secure School System provides a high level of functionality, improved security and user convenience.

Students are notoriously hard on mechanical door hardware. Because of this, our system uses Detex Advantex, Grade 1, exit devices as the first line of defence to physically secure the exterior doors. While allowing free exiting, the Advantex exit devices incorporate electric unlocking for authorized access during secure times and automatic unlocking to allow students to enter.

The Secure School System uses eMerge Essential, Browser-based access control platform, for card access programming and retrieval of door audit Information. eMerge Essential does not require special software and is managed using any internet browser on any operating system. Reliability is achieved with its 100% solid state architecture and an embedded Linux operating system.

Video monitoring and recording is an important feature of any security plan. The Secure School System uses a Pelco Sarix IEE20 series IP camera that includes onboard recording and allows for network recording and management from industry leading NVR software.

Control and monitoring of the access and video systems using any web browser, combined with top of the line electro-mechanical hardware is the key to a full featured, reliable and functional Secure School System.



Description of Operation

During Class Hours:

- Doors are closed and locked by Detex Advantex exit devices.
- Presenting a valid proximity card to the TA-1134 reader will cause doors to unlock and enable outside power operator push button, TA-8161. Pushing button while doors are unlocked will cause powered door operator DT-AO19, to open the door.
- Visitors may push the call button on the TA-T591 video intercom door station to speak with someone in the main office. The person in the office will see and speak with the visitor and decide to remotely unlock the door or not.

Scheduled Unlock Times:

- Using eMerge Essential access control system the doors can be programmed to unlock at scheduled times to allow entry of students. When the doors are unlocked the powered door operator switches will be enabled.

We Make Security Smart

Free exiting:

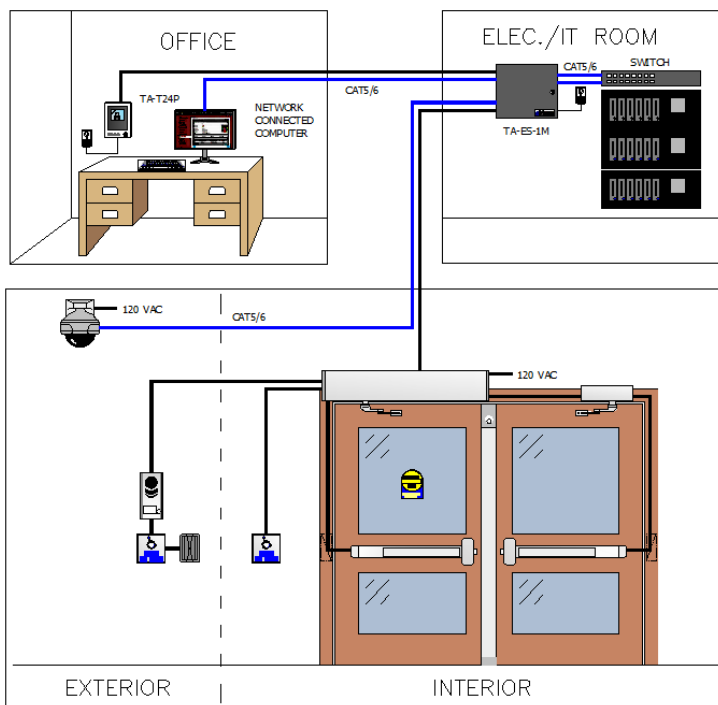
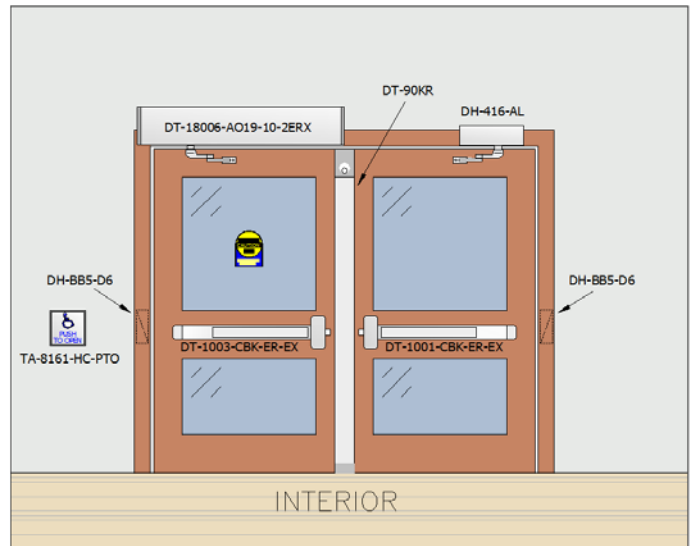
- Exit is free at all times by pushing either exit device.
- Pushing the TA-8161 exit button, will cause doors to unlock and DT-AO19 powered door operator to open the door.

Control and Monitoring of Access Control System:

- Browser-based management enables system status and updates from any place, with any browser, on any operating system. Control and programming can also be accomplished using any web enabled smartphone.

Control and Monitoring of Video System:

- The IEE20 Series camera uses a standard web browser for powerful remote setup and administration. Live video is available via a free app on Apple mobile devices. Digital Sentry NVs, full-featured video management software, is available for remote network recording.



Hardware List:

Item	Description	Qty
DH-BB5-D6	Power Transfer Hinge	2
DT-90KR	Removable Mullion	1
DT-1003-CBK-ER-EX	Electric Latch Retraction Exit Device	2
TA-4103	Door Position Switch	2
DH-416-AL	Door Closer	1
DT-18006-AO19-10-2ERX	Power Door Operator – Incl. built-in power supply and control for (2) latch retraction exit devices	1
TA-8161-HC-PTO	Actuator Switches	2
TA-8174-VNDL	Vandal Resistant Trim Ring	2
TA-1134	Proximity Reader	1
TA-T591-T24P-KIT	Video Intercom Door System KIT	1
TA-ES-1M-KIT	Access Controller Kit	1
PE-IEE20DN8-1-PIWM24-SR	2.1 Megapixel IP Camera with heater and mount	1