

emergency exit device building code compliance requirements

Please note that the Trojan Em Rex has been fully tested against the British standard for "Break Glass Panels" (ENS54-11 type A) which states they shall be single action. They shall be of the type that does not require a hammer, their being a clear plastic window. Pressing of this window will cause it to drop back into the unit triggering a micro switch, opening the circuit to the lock thus releasing the door. The unit shall be a resettable type, where the window drops back into the armed position by using the reset tool provided with each unit.

The unit shall be flush mounted. Upon activation a signal shall be sent to the intelligent field controller.

The operation of the unit is to be monitored. At each break glass unit, provide an audible sounder that operates when the break glass unit is operated and remain operable until the unit is reset.

Each emergency break glass unit shall:

- (a) Have green writing which is clearly visible stating "EMERGENCY Door Release"
- (b) Have a break glass window area of no less than 45mm (1.77in) W x 28mm (1.1in) H
- (c) Be in a prominent position suitable for escape i.e. adjacent to door;
- (d) Be clearly lit so as to ensure it is visible during day and night time hours
- (e) Be reset with the reset tool provided for the unit

Be aware of local fire codes

All buildings require free egress in a fire situation and electronic locking of fire egress doors is strictly prohibited without providing an approved alternate method of exiting the controlled area. Emergency exit units must be capable of being operated by people who are physically handicapped and by those who have no knowledge of the system. The approval of an alternative exit method should always be obtained in writing from the appropriate agency involved. In most cases, this is the council or fire engineer. The owner should be instructed to obtain this approval in writing before installing the alternative equipment that may inhibit egress.

The emergency egress units should be monitored by the access control system, to alert the security personnel that the security door has been compromised.

The access control system may be used as a secondary or auxiliary means to unlock the door, as long as they do not interfere with the operation of the primary device (Em Rex Unit).

Under no circumstances is an Em Rex emergency door release unit to be connected to a local fire alarm system or sounder circuit. In all cases, the recommendations indicated within BS5839-1 are to be observed.

Suitable normal and escape lighting shall be provided adjacent to the emergency switch / break glass unit.

Testing of emergency egress devices is a mandatory requirement

The testing of the Em Rex emergency egress unit or any other type of life safety device is required on a regular basis in accordance with Local Body requirements to ensure that it is operating correctly.