AES 944 Fire Door Control System

Shown, L-R: 946 Fire Exit Door Display; 945 Fire Door Control

Description

The 944 is a subsystem of the 900 Door Control. It includes two parts, the 945 Fire Exit Door Control and the 946 Fire Door Display. The 944 prevents unauthorized use of fire exits by delaying the opening of the fire door, allowing time for a guard to determine if an emergency exists.

AES 945 Fire Door Control Module

Operation: When the "crash bar" at the fire exit is pushed, a delay timer begins to count down. At the end of the delay period, the lock releases automatically - unless the operator intercedes. During the delay period, the guard can check the door in question via CCTV or intercom to confirm that an emergency exists. Using the 945 Door Control at the control post, the guard can either release the door or keep it locked. The delay period is adjustable from 3 to 180 seconds to suit applications and local regulations.

Lighted Push Switch:
PUSH switch to extend (reset) the timer function;
GREEN lamp indicates door is secured;
AMBER lamp flashes to indicate timer is running; and glows steadily when the timer runs out and the lock is released;
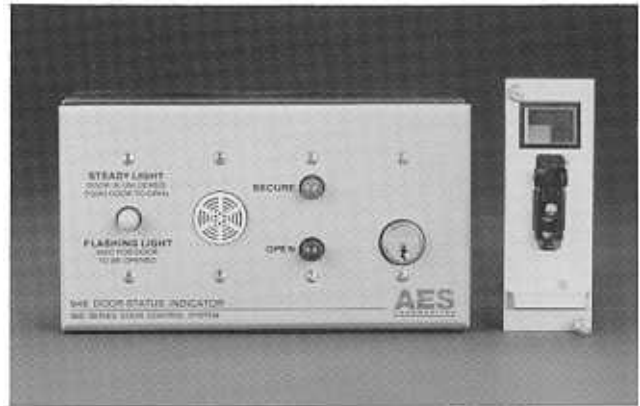RED lamp indicates door is open.

Guarded Toggle Switch:
Guarded UP position provides unconditional release, overriding the fire exit timer and the 910 emergency lock up;
CENTER position is normal, secured status;
DOWN POSITION releases the lock.

Standard Size Module, fits 900 or 905 rack assemblies.

946 Fire Exit Door Display

The 946 Display is mounted at the fire exit door, and works in combination with a 945 Fire Door Control at the control post. An audible and visual display annunciates lock status at the fire exit. When someone attempts to leave through the fire exit, the display beeps and flashes, instructing the person to wait. The display indicates when the door is unlocked, instructing the person to open the door. A keyswitch on the 946 releases the door, overriding all locks and controls.

Indicators:
GREEN lamp indicates door is locked.
AMBER lamp:
FLASHES to acknowledge that "crash bar" has been pushed, and indicates person must wait for lock to release;
STEADY indicates lock is released, and door may be opened.
RED lamp indicates door is open.
BUZZER sounds when "crash bar" is pushed, and silences when door is opened.

Controls:
KEYSWITCH for unconditional release of lock.

Ordering

AES 944   Fire Door Package, inc 945 and 946
AES 945   Fire Door Control Module*
AES 946   Fire Door Display*
AES 946-MB, Masonry / Flush Back Box for 946*
AES 946-SB, Surface Mount Back Box for 946
  * included in 944 package

See Also:

AES 726   24 V Power Supply
AES 900   Rack Mount Cabinet & Buss, 8 slots
AES 905   Desktop Cabinet & Buss, 3 slots
  Separate Spec Sheets are Available on the Items