

1. • **Security/Monitoring**
- **Stand Alone Controlled Access**

1.1 System Description

1.1.1 Exit Alarm - ES4300A-K4

Exit Alarm shall be installed at a secured door to provide local and remote annunciation of "Door Forced" condition. A horn within the Exit Alarm shall sound whenever the monitored door is opened, and an alarm output contact shall be activated to indicate an alarm condition to the access control system. Momentary use of the integral key switch, or the remote dry contact shall activate an override timer within the Exit Alarm to allow the monitored door to be opened for 0-20 seconds without initiating an alarm condition. Rotating the key fully clockwise shall override the door monitoring function of the Exit Alarm until the key switch is returned to the secure position. A dry contact may be used, similar to the key switch, to temporarily or permanently override the Exit Alarm from a remote location. A bi-color LED on the Exit Alarm shall illuminate whenever the unit is overridden, armed or in alarm. The key switch shall be a rim type and keyed to facility locks. The Exit Alarm shall incorporate a universal rim cylinder bracket that will accept any 5-6 pin rim cylinder with a tail piece. The actual rim cylinder shall be supplied by the installing contractor. Upon detection of a "Forced Door" condition, the Exit Alarm shall latch in alarm and may be reset by any of the following: 1. Automatically through an onboard timer - this reset occurs 0 seconds to 1 minute or manual (user adjustable) after the alarm is triggered. If the door remains open, the alarm will not reset; 2. Locally through the integral key switch; 3. Remotely through a dry contact. The Exit Alarm shall incorporate tamper supervision.

1.2 Technical Specifications

1.2.3 Exit Alarm

- 1.2.3.1 The Exit Alarm shall meet the following minimum specifications:

Power Requirements:	12-24 VAC/VDC @ 200 mA.
Local Control:	Key switch - reset/bypass.
Control Input:	N/C door contact.
	N/O remote reset/bypass.
Output:	Form C alarm contact - activated on alarm or loss of power.
	1 Amp @ 30 VDC
Aux. LED Output:	1.5 VDC @ 10 mA
Audible Alarm:	103 dB @ 3 feet
Tamper Supervision:	Activates sounder and alarm contact (cannot be bypassed)
Mounting:	Flush/surface mount in two (2) gang - 2½" deep electrical box. Tamper resistant fasteners shall be used to secure Exit Alarm to the back box

- 1.2.3.2 The Exit Alarm is manufactured in the USA.

- 1.2.3.3 The Exit Alarm is a Designed Security, Inc., Model ES4300A-K4.