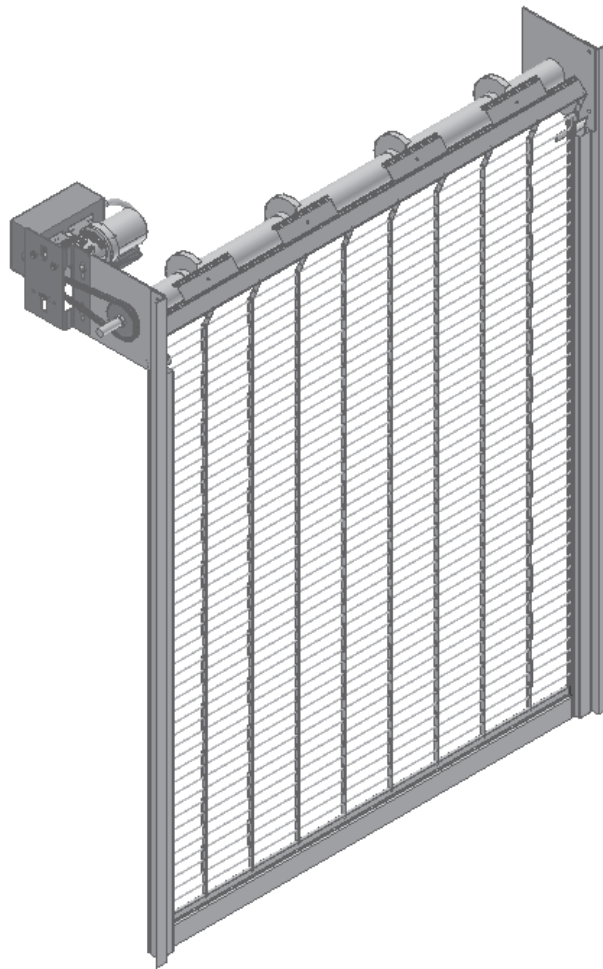


Preferred door solutions.<sup>®</sup>  
**COOKSON**

# CrossingGard<sup>®</sup>

EMERGENCY RESPONSE GRILLE



## **Additional Installation Requirements for Model ERG-IBC per ICC-ES Evaluation Report ESR-1167**

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**NOTE: The CrossingGard Emergency Response Grille, Model ERG-IBC, has been evaluated by ICC-ES (Evaluation Report Number ESR-1167) and complies with section 1008.1.3.4 (Access Controlled Egress Doors) of the International Building Code (IBC) 2003 Edition when installed per these instructions.**

## **1. Operation:**

### **Normal Sequence of Operations:**

The CrossingGard operator is supplied with a Control Station with STOP for normal operation. The unit operates on constant pressure OPEN/CLOSE.

The unit may/may not be supplied with a sensing edge. When supplied, the sensing edge will cause the operator to stop and reverse the curtain about 1" upon meeting an obstruction in the opening.

The auto-locking feature of the CrossingGard Emergency Response Grille does not interfere with the operation of the grille and remains disengaged during normal and emergency operation.

### **Operation Under Alarm Conditions & Activation of the Emergency Exit Push Button:**

In the event of unit activation due to the emergency exit push button, the unit will open by spring tension and the localized CrossingGard horn/strobe alarm (optional) will activate to indicate an emergency condition/opening activation at the unit. The activation of the emergency exit push button **will not** result in facility alarm activation.

Terminals 11 & 12 accept a normally closed DRY CONTACT ALARM signal. The normally closed contacts from the emergency exit push button are connected in series between Terminals 11 & 12. Upon activation of the facility alarm or the emergency exit push button, the CrossingGard Grille will open under spring tension.

In the event of alarm signal activation of the unit, the facility fire alarm system is responsible for the activation of any facility warning devices. The facility alarm system will not activate the localized horn/strobe alarm (if supplied).

Power Failure Activation:

The CrossingGard Grille will interpret a facility power failure as an emergency condition. In the event of power failure, the unit will release the brake and open under spring tension. The optional CrossingGard horn/strobe alarm **will not** activate in the event of a power failure opening.

**2. Installation of Emergency Exit Push Button Station:**

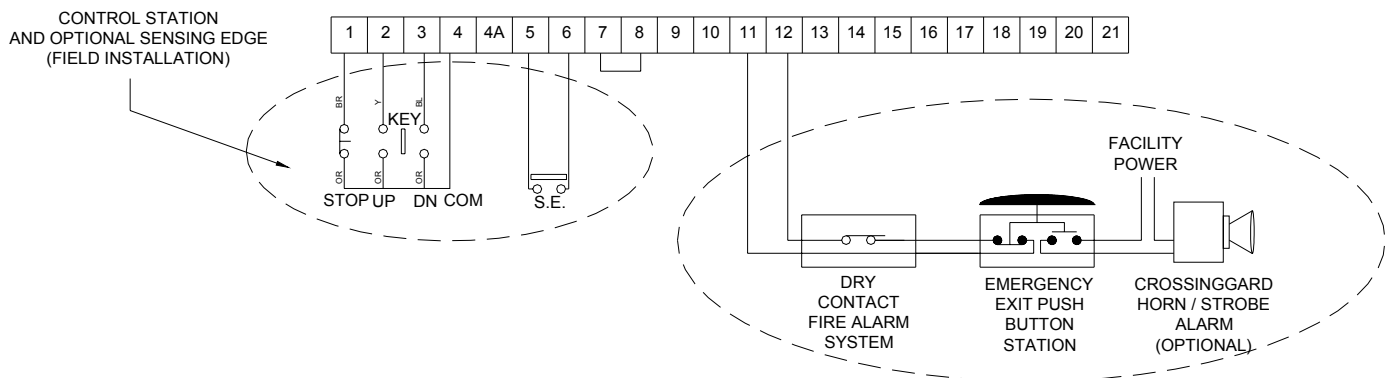
An emergency exit push button that meets the accessibility requirements of the IBC and ICC/ANSI A117.1 is provided with each Model ERG-IBC CrossingGard Grille. Options include an emergency exit push button with keyed reset or 1/4 turn reset. Both meet the accessibility requirements of the IBC and ICC/ANSI A117. Signage (provided) stating “PUSH TO EXIT” (Signage stating “PUSH TO EXIT – ALARM WILL SOUND” is provided with the optional horn/strobe alarm) must be displayed immediately adjacent to the emergency exit push button station. The emergency exit push button station must be located 40”-48” above the floor and within 5 feet of the CrossingGard Emergency Response Grille.

**3. Horn/Strobe Alarm (optional):**

When provided, the horn/strobe alarm meets the ADA requirements for an audible warning device.

**4. Wiring Diagram:**

The wiring diagram below details the wiring interface of the emergency exit push button station, horn/strobe alarm (optional), control station, and sensing edge.



## **5. Testing and Adjusting:**

The CrossingGard Emergency Response Grille must be tested prior to commissioning. The grille is designed to auto open to the full grille opening height under the following conditions; maintained power outage (disconnect power to the motor operator), alarm conditions, and by pressing the emergency exit push button station. The grille can only be put into service after successful testing is achieved and the attached sign-off form has been executed.

If the grille does not open to the full opening height more spring tension must be added to the grille. The following is the procedure for adjusting spring tension if the grille does not open to the full clear opening upon a simulated emergency condition:

***WARNING! SPRING TENSION IS DANGEROUS! A sudden release of the springs could result in severe injury or death. Components are under extreme spring tension. Adjustments should be made by qualified door systems technicians only.***

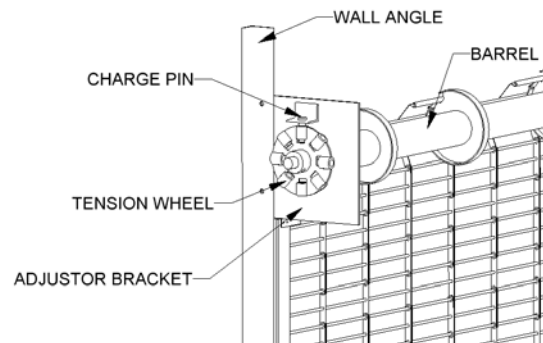
***Always wind tension when the door is in the up position. The springs are under the least amount of tension at this point.***

***WARNING! Do not stand in front of adjusting wheel while charging springs. Serious injury can result should a rod slip during the spring charging process.***

***The winding bar must fit snugly into the adjusting wheel. Do not use loose fitting bars or screwdrivers which could slip out, resulting in severe injury or death.***

1. Raise the curtain with the motor operator until the bottom bar rests on the stoppers.
2. Insert the adjustor bar in the tension wheel and rotate the tension wheel in the same direction the barrel would rotate to raise the curtain.
3. Replace the charge pin two pockets from where the charge pin was previously placed before resetting the adjustor bar.
4. Retest the grille to ensure that it opens under spring tension during power outage, alarm

conditions, and by pressing the emergency exit push button.



## **6. Maintenance Schedule and Testing Addendum:**

In addition to the regularly scheduled maintenance of the CrossingGard Emergency Response Grille as documented in the installation instructions, the grille must be tested for emergency automatic opening **at least annually** in conjunction with the building's fire alarm system.

**Acceptance of Installed Product: CrossingGard Model ERG-IBC**

Project \_\_\_\_\_ Contact \_\_\_\_\_ Phone \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Date \_\_\_\_\_ Serial Numbers \_\_\_\_\_

Visual Inspection Completed

Operational Inspection  
And Testing Completed

Additional Notes: \_\_\_\_\_

*The CrossingGard Emergency Response Grilles on this project have been installed in accordance with the manufacturer's installation instructions. The automatic opening capabilities have been tested to demonstrate proper operation and full opening. The grilles have been reset in accordance with the manufacturer's instructions and left in proper working condition. In addition, I have read and understand the proper usage of the CrossingGard Emergency Response Grille and its annual testing and maintenance requirements.*

Required annual maintenance and testing is to be performed by installing distributor:

Yes

No

Installed by \_\_\_\_\_

Witnessed by \_\_\_\_\_

Company \_\_\_\_\_

Representing \_\_\_\_\_

Address \_\_\_\_\_

Signature \_\_\_\_\_

Signature \_\_\_\_\_

Date \_\_\_\_\_

Date \_\_\_\_\_

**NOTE: Signed form to be kept in the distributor's job file.**