



**CSGC 884N  
SMOKE DETECTOR GUARD  
COMPENSATOR**

**FOR SILENT KNIGHT  
MODEL IDP-Ion**

**DESCRIPTION**

CHASE SECURITY PATENTED SMOKE DETECTOR GUARD COMPENSATOR enhances the performance of detector/guard assembly by concentrating smoke and/or other products of combustion within a smoke detector guard. For thirty years our strong, inexpensive enclosures have been a welcome solution to the problem of smoke detector damage due to vandalism or false alarms. The compensator directs smoke upward into the guard, amplifying the detector's ability to find traces of smoke coming from any direction. Chase has ensured the highest level of protection to the life safety devices while maintaining the small perforations to prevent detainees in prisons and institutions from doing harm to themselves. Chase concentrators are designed to give you ease of installation and peace of mind. Chase products can be used in correctional facilities, universities, schools, parks, gyms and many other locations.



**PATENT  
PENDING**



*\*smoke detector not included.*

**FEATURES**

- ◆ Designed to fit Silent Knight® Model IDP-Ion.\*
- ◆ Four equally spaced 26-gauge fins are formed to fit the profile of smoke detector with space not grater than one-eighth inch to the detector surface .
- ◆ Enclosure constructed of quality 16-gauge perforated steel with 3/16" diameter on 1/4 staggered centers.
- ◆ Finished in strong durable white epoxy powdered coating.
- ◆ Unit can be removed from mounted base for routine servicing.
- ◆ Designed aesthetically to fit in their surroundings.
- ◆ Additional models and custom sizes are available.
- ◆ Box dimensions I.D. 7.5" x 7.5" x 4 " deep.
- ◆ Will build to your specifications.

*Since the first patented smoke alarm bracket some 30 years ago we have been designing security enclosures for our industry. Many of our signature products are now being produced by other manufacturers but our capped enclosures are still the product of choice for their strength and safety.*

*Help prevent vandalism or accidental damage to detectors so they can protect you.*

**5947 N. Milwaukee Ave., Chicago, IL 60646, Phone  
773.775.7148, Fax 773.594.0078**

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## SMOKE DETECTOR GUARD COMPENSATOR

### CH-884-SKIDP-Ion

### FOR SILENT KNIGHT IDP-Ion DETECTOR

#### PURPOSE

This device is inserted into an 8" by 8" by 4" smoke detector guard to compensate for the loss of sensitivity caused by the metal guard's perforated steel. Ceiling mounted only.

The baffles cause the smoke to be concentrated in a manner conducive to smoke movement into the detector. This compensates for the reduced air movement through the guard's, 3/16 inch, perforations. This unit also leaves the bottom open for smoke entering from below the detector.

#### DESCRIPTION

The smoke detector guard compensator panels are constructed from powder coated, 16-gauge steel. The panels are cut to match the profile of the smoke detector to be used. There must not be more than 1/8" gap or space between the compensator and the surface of the smoke detector. The panels sit in the guard, and when assembled form an X across the smoke detector guard crossing from corner to corner. This creates a V shaped director that concentrates air flow into the detector from the sides, while still allowing for air to flow straight into the director from the bottom.



(For use with  
Silent Knight  
Model IDP-Ion)

**PATENT  
PENDING**

#### INSTALLATION INSTRUCTIONS

1. Remove the panels from packaging. Verify the label is for the detector used. You will notice that the panels are notched at the center.
2. One panel is notched at the top and the other at the bottom.
3. Take the panels and lock them together by placing the bottom notched panel over the top notched panel.
  - a. Once the panels are locked they will create an X.
4. There will be a cutout section at the center of the locked panels; this portion is to fit the listed smoke detector.
5. Set the locked panels' flat edge first into the smoke guard. If the panels are inserted into the guard incorrectly, then the guard will not fit.
6. After placement confirm that the baffles are within 1/8 inch of the smoke detector along its entire profile.
7. Install smoke detector guard on the ceiling over the smoke detector normally.

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