

**Disguised.  
Damage-Resistant.  
Defense.**



[www.concealite.com](http://www.concealite.com)

Our compact, virtually invisible motion detector enclosures preserve the integrity of architectural or interior designs, without sacrificing security and performance. We are the very first to offer concealed detection systems, in fact we invented it! With over two decades of experience developing and manufacturing unique concealed fixtures, Concealite remains the top choice for design professionals.

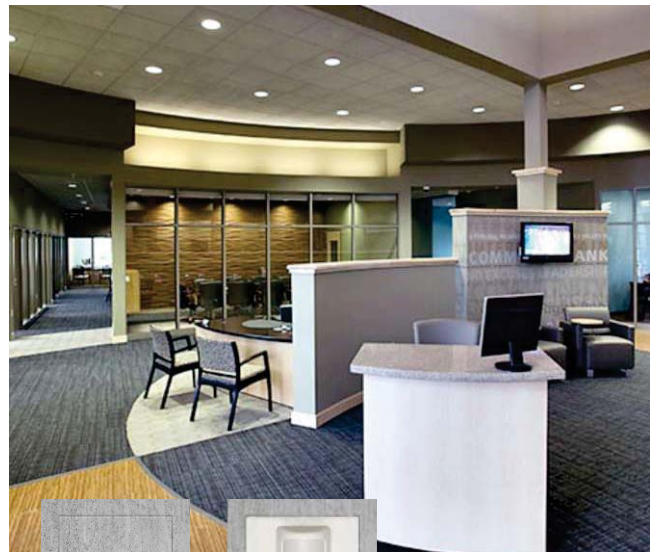
## MX Series Concealed Motion Detector

### Aesthetics

Typical motion detector appliances are obtrusive and interrupt the aesthetic beauty of interior designs. Concealite has applied their patented concealed technology to motion detection, offering a beautiful and vandal-resistant alternative to visible surface mount detectors. Only when the commercial or residential security system is activated, does the detector become visible, rotating 180 degrees to begin operation. The result is a clean, almost invisible installation, that does not conflict with your interiors.

### Motion Detection

The MX Series I enclosure can conceal virtually all types and brands of motion detectors/sensors. (Contact factory for more information)

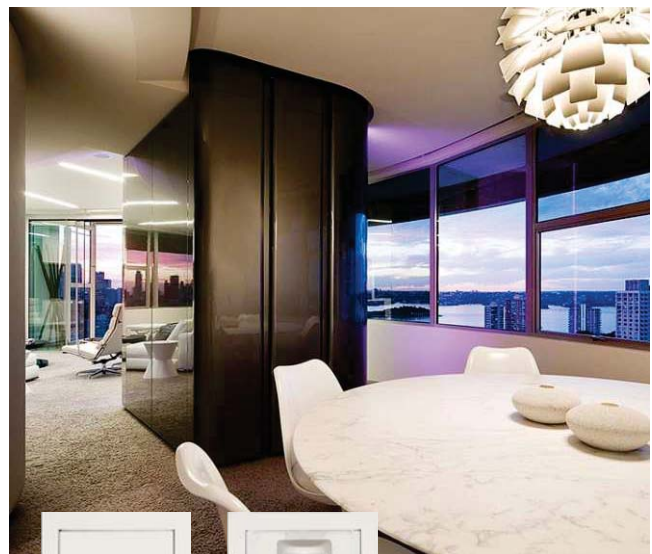


Commercial/Retail



### Architectural Features

- Designed for commercial and residential applications.
- Standard white powder coat finish or units may be customized in the field using paint, wallpaper, or applique finishes.
- No minimum order for factory custom powder coat finish (U.S. RAL # Required).
- Compact, completely self-contained units.
- Enclosures are vandal-resistant.
- Designed for wall or ceiling installations, including gypsum board, plaster, concrete, brick, or acoustical tile.
- Fully automatic operation; door is operated by a 12 Volt DC motor, with an integrated gear head operated by the buildings' security panel.
- Fully adjustable motion detection as with fixed mount installation.



Residential



# MX Series Concealed Motion Detector

|                         |               |                   |
|-------------------------|---------------|-------------------|
| <b>FIXTURE SCHEDULE</b> | FIXTURE TYPE: | PROJECT NAME/REF: |
| <b>APPROVAL:</b>        | LAMP TYPE:    | PROJECT LOCATION: |

## Installation

This fixture utilizes a recessed flange for flush mounting in either a wall or ceiling. 12vDC power is derived from security panel through conduit knockouts on the recessed enclosure. The door, detector, and motor drive assembly is inserted into the recessed enclosure. The assembly is then secured in place with two (2) concealed bolts that allow for adjustment to the wall or ceiling thickness. For complete installation and operation instructions, please refer to the instruction sheet included with each unit.

## New Projects

For new projects, a single enclosure is mounted before the wall or ceiling material is installed.

## Retrofit/Remodeling Projects

For retrofit/remodeling applications a multi-section (suffix RB) enclosure is available. See options and technical data section for details.

## Product Specifications

The concealed motion detector unit shall be Concealite Series MX and will be installed in accordance to Article 700 of the National Electrical Code. The standard unit shall be a white powder coat finish, and can be custom finished (contact factory for information or option). The unit will be stored in a retracted position during non-activated security conditions. Upon arming the security panel, the unit will be deployed into the open position and the detector energized. Deactivation of the security system will cause the unit to retract to the stored position and de-energize the motion detector. Motor shall be a 12 Volt sealed permanent magnet type with a 30 year service life. The electronics shall be a solid state design. The maximum power draw is no more than 8 watts.

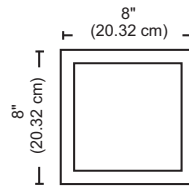
## Limited Warranty

All Concealite equipment is guaranteed against defects in materials and workmanship by the manufacturer for a period of three years from date of shipment under normal operations and proper use. Correction of all defects shall be by replacement or repair (at our discretion) and shall constitute fulfillment of all manufacturer's obligations.

### MX SERIES

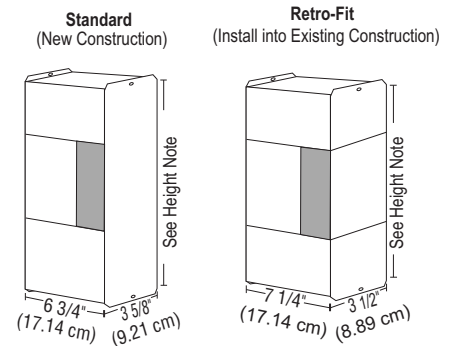
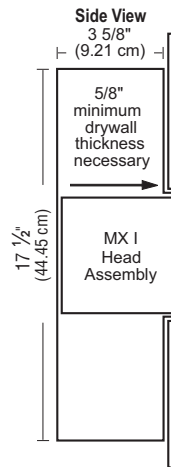


### Unit Dimensions Including Frame Dimensions



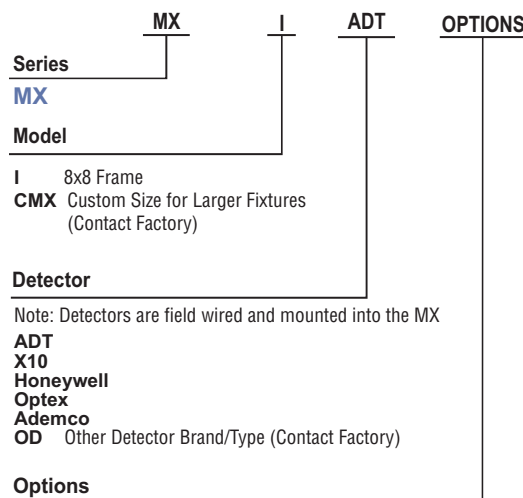
**Note:**  
Unit requires finished opening of 7 1/4"H x 6 3/4"W.  
Unit depth of 3 5/8" allows for installation into wall or ceiling.

### Back Box Dimensions



**Height Note:** Back box heights are given by model number. For height dimensions, refer to the Back Box Dimensions cut sheet.

## Ordering Information



- Note: Detectors are field wired and mounted into the MX



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Note: These specifications are subject to change

Patent Pending v.01.18.18-MX

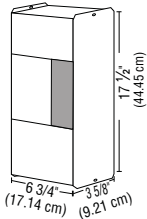
# Concealite's Back Box Dimensions

## Options and Technical Data

### Recessed Battery Back Boxes

#### New Construction

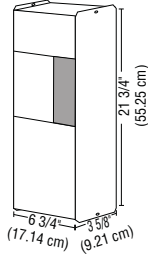
Note: R-1 fits FA100, R4000, and MX I. F5000 based on size (see below).



R-1  
Lead Acid  
#F5-12-90  
#F5-12-2  
#F5-20-90

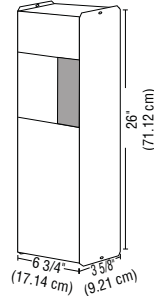
R-1  
NiCad  
#F5-12-90  
#F5-12-2  
#F5-20-90  
#F5-20-2

R-1 LED's all run times.



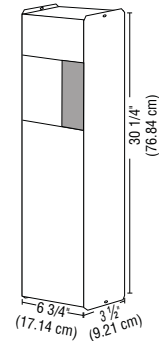
R-2  
Lead Acid  
#F5-12-4  
#F5-20-2  
#F5-35-90  
#F5-35-2  
#F5-50-90

R-2  
NiCad  
#F5-12-4  
#F5-20-4  
#F5-35-90  
#F5-35-2  
#F5-50-90



R-3  
Lead Acid  
#F5-20-4  
#F5-50-2  
#F5-75-90

R-3  
NiCad  
#F5-50-2  
#F5-75-90



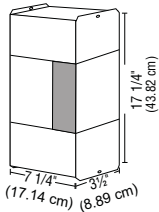
R-4  
Lead Acid  
#F5-35-4

R-4  
NiCad  
#F5-35-4

### Retrofit Back Boxes

#### Existing Construction

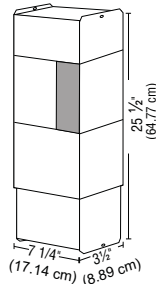
Note: Retro-1 fits FA100, R4000, and MX I. F5000 based on size (see below).



Retro-1  
Lead Acid  
#F5-12-90  
#F5-12-2  
#F5-20-90

Retro-1  
NiCad  
#F5-12-90  
#F5-12-2  
#F5-20-90  
#F5-20-2

Retro-1 LED's all run times.



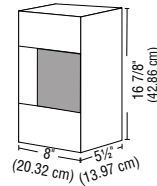
Retro-3  
Lead Acid  
#F5-12-4  
#F5-20-2  
#F5-20-4  
#F5-35-90  
#F5-35-2  
#F5-50-90  
#F5-50-2  
#F5-75-90

Retro-3  
NiCad  
#F5-12-4  
#F5-20-4  
#F5-35-90  
#F5-35-2  
#F5-50-90  
#F5-50-2  
#F5-75-90

### Surface Mount Back Boxes

#### New Construction

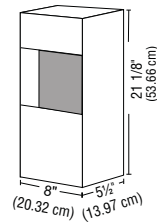
Note: SM-2 fits FA100, R4000, and MX I. F5000 based on size (see below).



SM-2  
Lead Acid  
#F5-12-90  
#F5-12-2  
#F5-12-4  
#F5-20-90  
#F5-20-2  
#F5-20-90  
#F5-35-2  
#F5-50-90

SM-2  
NiCad  
#F5-12-4  
#F5-20-4  
#F5-35-90  
#F5-35-2  
#F5-50-90

SM-2 LED's all run times.



SM-4  
Lead Acid  
#F5-20-4  
#F5-35-4  
#F5-50-2  
#F5-75-90

SM-4  
NiCad  
#F5-35-4  
#F5-50-2  
#F5-75-90



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