

OPERATING THE ENFORCER 190 / 190S

MOUNTING THE DETECTOR

It therefore should be mounted in a location within which every glass window and door to be protected is found. For greatest security, attach to the wall or ceiling, using screws instead of double-sided foam tape. For larger areas, two or more units can be used without fear of interfering with each other.

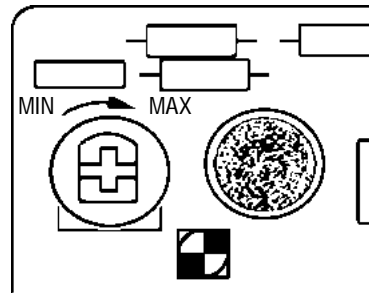
SETTING THE SENSITIVITY

The **ENFORCER 190/190S** includes **SECO-LARM's** unique patented Yellow turbulence LED. This LED flashes when environmental noise is high enough to cause false alarms, thereby allowing instant sensitivity setting without the use of a special external test meter.

To set sensitivity, hold a thin flexible plastic ruler flat against a glass window within the unit's protection range. Pick up one end of the ruler while holding the other end down, and then let the ruler snap against the glass window. This should cause the Yellow LED to come ON, but the Red LED should not light. If the Red LED comes ON with a slight snap, the **ENFORCER 190/190S** may be too sensitive, and the sensitivity control should be turned counterclockwise with a small flat or phillips screwdriver. If the Yellow LED does not come ON, sensitivity should be increased by turning the control clockwise. Continue snapping the ruler on the window until the Yellow LED comes ON but the Red LED does not. Repeat this process with each window to ensure the **ENFORCER 190/190S** is set for every pane of glass.

When the correct sensitivity is found using the above procedure, determine whether the sensitivity is high enough to trigger the alarm by snapping the ruler harder to simulate a break-in. If the Red LED does not come ON, the sensitivity must be increased.

NOTE: For applications within this temperature range the sensitivity will be stable. If the temperature should drop below -14°F (-10°C), the sensitivity of the **ENFORCER 190/190S** will increase, and the sensitivity setting will need to be decreased. If the temperature should rise above 122°F (50°C), the sensitivity of the **ENFORCER 190/190S** will decrease, and the sensitivity setting will need to be increased.



When setting sensitivity, make sure the room's environment is as close as possible to what it will be when the **ENFORCER 190/190S** is in use. For instance, if the curtains are usually closed at night when the alarm is armed, then set sensitivity with the curtains closed. If a window in the room is left opened, then set the sensitivity with window open. The sensitivity should always be retested when the environment of the room changes, such as when furniture is moved.

Depending on the type of glass, sensitivity is different when set by tapping the inside or outside of the window with a ruler. For best results, tap the inside of the window.

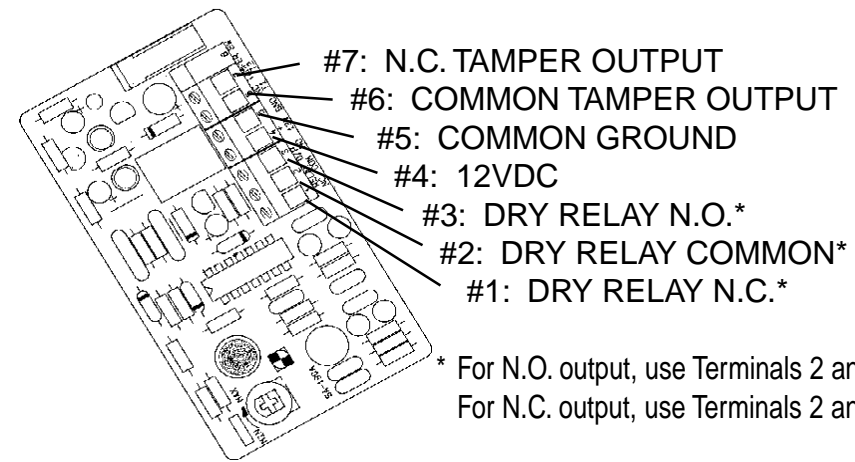
NOTE: DO NOT SET SENSITIVITY ANY HIGHER THAN NECESSARY TO PROTECT THE GLASS IN THE DETECTOR'S RANGE. SETTING SENSITIVITY HIGHER THAN NEEDED INCREASES THE CHANCE OF FALSE ALARMS WITHOUT INCREASING PROTECTION. LEAVING A DOOR OR WINDOW OPEN WILL ALSO INCREASE THE CHANCE OF FALSE ALARMS.

TAMPER-PROOFING CASE

For extra protection, the **ENFORCER 190/190S** is equipped with an N.C. Tamper Switch to protect against opening or breaking of the case.

INSTALLATION

SCREW TERMINALS:



INSTALLATION HINTS

1. The **ENFORCER 190/190S** usually receives power from the alarm panel. If the **ENFORCER 190/190S** is connected to a separate power source, it should also be connected to a rechargeable battery, in case AC power fails.
2. Use either Terminals 2 and 3 N.O. output or 2 and 1 for N.C. output, but not both.
3. Close all doors and windows when the **ENFORCER 190/190S** is in use.
4. Mount any optional memory buzzer, musical device or any sound generating equipments as far from the **ENFORCER 190/190S** as possible to reduce the detector's chance of accidental triggering, and reducing the chance of a thief finding the **ENFORCER 190/190S**.

SPECIFICATIONS

POWER: 12VDC (7.5V - 15V)

CURRENT DRAIN (STANDBY CONDITION): 5mA (12V)

CURRENT DRAIN (TRIGGER CONDITION): 80mA (12V)

DETECTOR OUTPUT: DRY RELAY CONTACT, N.O.-C-N.C. (2A)

TAMPER OUTPUT: N.C. CONTACT

YELLOW LED: INDICATES ENVIRONMENTAL NOISE LEVEL

RED LED: INDICATES TRIGGER SIGNAL SENT TO ALARM

TEMPERATURE RANGE: -14°F TO +122°F (-10°C TO +50°C)

CASE CONSTRUCTION: ABS PLASTIC

SIZE: 4.5" x 2.8" x 1.1" (115mm x 70mm x 27mm)

WEIGHT: 3.35oz (95g)

The **SECO-LARM** policy is one of continual developments and improvements.
For this reason, **SECO-LARM** reserves the right to change specifications without further notice.

SECO-LARM®

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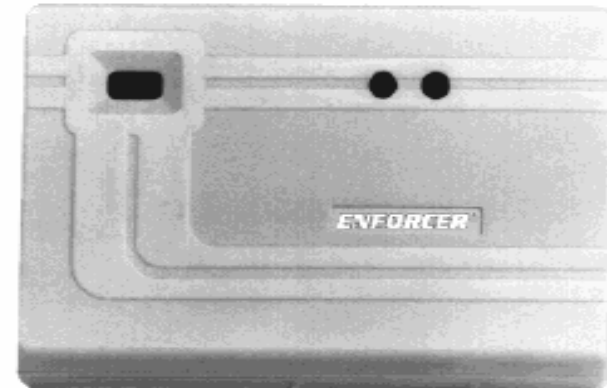
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FILE NO: 190/190S/100/190S
ORDER PART # 780-363-1/86C

SECO-LARM® ENFORCER® 190/190S

GLASS BREAK DETECTOR



USA PAT. 4700332

UK PAT. 2177797

1041888

TAIWAN PAT. 50612

REMARKABLE FEATURES

- YELLOW TURBULENCE LED (PATENTED) ALLOWS FAST AND EASY SENSITIVITY ADJUSTMENT WITHOUT EXTERNAL TEST METER
- YELLOW LED GIVES PINPOINT SENSITIVITY ADJUSTMENT TO ELIMINATE FALSE ALARMS
- DETECTS THE HIGH-FREQUENCY SOUND OF GLASS BREAKING
- **ENFORCER 190** -- WIDE 25' RADIUS PROTECTION AREA IF CEILING-MOUNTED, 45' IF WALL-MOUNTED
- **ENFORCER 190S** -- WIDE 20' RADIUS PROTECTION AREA IF CEILING-MOUNTED, 35' IF WALL-MOUNTED
- RED TRIGGER LED
- TAMPER PROOF CASE
- INSTALLS WITHOUT RF-SHIELDED CABLE
- COMPACT SIZE AND ATTRACTIVE APPEARANCE ALLOWS INSTALLATION ANYWHERE

HOW IT WORKS

The **ENFORCER 190/190S** is the most convenient audio-discriminator for glass break protection on the market today. Designed with the latest technology, it is the installer's answer to the problem of sensitivity setting and false alarms. A single convenient **ENFORCER 190/190S** is enough to protect all the windows and doors within a 15' radius when mounted on the ceiling, eliminating the need to install unsightly individual detectors on each pane of glass. Sensitivity setting is extremely simple with **SECO-LARM's** Yellow turbulence LED (patented) which eliminates the need for external test meters. The relay output is programmed for a 2-second reset.

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