

INTERCEPTER ANTIBURGLARY DEVICE INSTALLATION AND OPERATING INSTRUCTIONS

WARNING:

1. For safe, reliable operation, read instructions fully before installation.
2. Do not install in areas where infants or physically handicapped people are normally present.
3. Do not install in buildings where multiple tenants share a common ventilation system.
4. Do not install in aircraft or in passenger compartments of motor vehicles.

APPLICATIONS:

The Interceptor is great for use in the following areas: residences, vacation homes, gun rooms, offices, garages, shops, warehouses, businesses, barns, hunting lodges, and storage sheds.

The Interceptor is intended for indoor use. Operation may be impaired by rain, moisture or subfreezing temperatures.

DESCRIPTION:

The Interceptor is based on the use of a four oz. aerosol can containing oleo resin capsicum pepper (OC) triggered by a passive infrared detector (PIR). This PIR senses the intruder by picking up the heat radiating from his body as he passes in front of the Interceptor. The range of the PIR is from 3 to 100 ft. The PIR is powered by an independent 3v lithium battery that lasts 10 to 20 years.

The PIR sends a signal arming the control circuit. This circuit begins a time delay countdown that is user adjustable from 1 to 45 sec. During the countdown the unit sounds a warning tone to remind forgetful owners to turn off the system. This is a high frequency tone designed to confuse the intruder since at this frequency his ears are unable to direct him to the source of the tone. When the time delay expires, the Interceptor sprays enough OC to control up to of 2000 sq ft of unobstructed indoor space. Complete discharge occurs in approximately 25 sec.

The Interceptor is turned on and off by either the key switch on the front, or the concealed rocker switch underneath. These two switches are wired in parallel. The unit is on when either switch is on, and off only when both switches are off. If you prefer not to use the key switch, make sure the key switch is in the "off" position and put the key away.

Power is supplied by 8 "C" cells. Battery life is approximately shelf life since power

consumption is zero except when detecting or firing. The control circuit automatically resets 90 sec. after firing.

A push button on the front of the unit starts a 90 sec. exit time delay which allows the owner to pass in front of the Interceptor on the way out without setting it off. A green LED illuminates while the button is depressed to inform the owner that the exit delay is set. Failure of the LED to light means one of three things:

1. The Interceptor has not been turned on.
2. The detection circuit is already activated and is counting down.
3. The "C" cells are low and should be replaced.

The Interceptor is equipped with an empty can alarm since an owner arriving many hours or days after an incident may not notice any trace of the OC and therefore not realize that the unit is now empty. A flashing yellow LED and a warble tone will be emitted from the Interceptor whenever the firing mechanism is tripped and the power is on. Replacing the can recocks the unit and silences the empty can alarm. Also there is a red spot next to the aerosol nozzle that becomes visible from the front of the Interceptor when the can has been fired.

SELECTING A LOCATION:

The Interceptor must be mounted on a flat vertical wall. Locate the Interceptor in an area where the intruder is sure to pass. The detection pattern is shown on the N100 instruction page.

Where possible install the Interceptor 4 to 5 ft. above the floor. Try to locate the unit so the intruder will pass by at a distance between 3 and 20 ft. Avoid locating the Interceptor where the detection zones point toward a window, or heating or air conditioning registers since these sources of temperature fluctuations could disturb the IR detector, causing a false trip. Also avoid locations that receive direct sunlight. If there are dogs or cats present, be sure that they cannot enter the detection zones by climbing on furniture. (OC in normal concentration will not injure dogs or cats)

INSTALLATION:

1. Check that rocker switch is off, and key switch is off. (counterclockwise)
2. Install 8 new "C" cells
3. Mount on the wall using the screws provided or other fasteners appropriate to the surface.
4. Remove the can retainer pin from the side of the Interceptor housing.
5. Slide the DUMMY CAN into the unit and reinsert the pin.

TESTING:

All testing is done using the DUMMY CAN. Do not install the OC can until all testing is complete.

Battery Test:

The exit delay push button and green LED provide a battery test function.

1. Stand clear of the detection zones for at least 4 seconds.
2. Turn on the rocker switch.
3. Depress and hold the push button switch and check for a glow on the green LED.
4. Shut off the rocker switch when finished.
5. No glow means batteries may be weak or improperly installed

Note: If the detection circuit is triggered before the battery test/exit delay push button is pressed, the detection circuit will lock out the battery test/exit delay function and you will not get a green light. If this happens turn the power off, wait 4+ seconds and try again. If the mechanism should fire and the empty can alarm sounds its warble tone, remove and reinstall the DUMMY CAN to recock the firing mechanism and silence the warble.

Functional Test:

Stand clear of the detection zones for 4+ seconds and turn on the Interceptor using either the concealed rocker switch or key switch (NOT BOTH). The warning horn should remain silent. Walk through the detection zones. The warning horn should give a continuous tone for the duration of the entry time delay (1 to 45 sec) followed by a click followed by a warble tone as the empty can alarm sounds. The yellow LED should be flashing, and the red spot on the depressor mechanism should be visible next to the nozzle on the DUMMY CAN.

Shut off the power. Remove and reinstall the DUMMY CAN. The warble should be silent and the yellow LED should be off.

The factory setting for the entry time delay is about 10 to 20 sec. To change it, use a small screw driver on the adjustment point shown in figure A. Turn very gently to avoid damage to the control. Make only small adjustments. Counterclockwise is shorter, clockwise is longer. Redo the functional test and note the time delay. Repeat the adjustment and functional test until you have the time delay you want.

Exit Delay Test:

The exit time delay is nonadjustable and is approximately 90 sec. duration. To test the exit delay stand clear of the detection zones for 4 seconds, then turn on the unit and depress the push button. A momentary glow of the green LED indicates the exit delay is set. Walk in front of the detection zones. You should be able to walk around in front of the unit for about 1-1/2 minutes before the detection circuit is reactivated and the warning tone sounds.

Setting:

1. Stand clear of the detection zones.
2. Wait 4+ seconds.
3. Turn on either the key switch or rocker switch. (NOT BOTH)

4. Depress the push button and observe that the green LED lights momentarily.
5. Depart within 90 sec.
6. If you hear the warning horn while departing, return immediately, shut off the unit and repeat the setting process.

Reentering (Unsetting):

Upon returning when you walk into the detection zones you will hear the warning tone reminding you to shut off the Interceptor. Turn off the key switch (or rocker switch) before the time delay you have set during testing expires.

You may wish to practice using the Interceptor for a day or two with the DUMMY CAN. Depending on your layout you may not even need to use the exit delay push button if you can avoid the detection zones as you exit after turning the unit on. If you accidentally stray into the zones the warning horn will sound telling you that you need to shut the Interceptor off before the entry time delay expires and then try again. When entering the building and approaching the unit through the detection zones the warning horn will sound and you must merely shut off the unit before the entry time delay expires.

When familiarization is complete, replace the DUMMY CAN with the OC CAN. Stand to the side while inserting a live can. Be sure that the nozzle is pointing forward.

VIRTUAL PANIC ROOM CONCEPT:

By locating the Interceptor to protect the bedroom hallway and setting it at night, you can make your bedrooms the equivalent of armored safe rooms. Normally the Interceptor would be set when the property is left unoccupied. But, as an example, a unit at the bedroom end of the living room may be set at night before retiring. In this way the Interceptor can repel a home invader before he reaches your bedroom door. The OC will not easily get past a closed bedroom door. The following details should be addressed to complete the concept:

The bedroom doors should be solid and equipped with deadbolts.

Apply foam weather strip to the door frames, and door seals to the bottom of the doors.

Be sure that ductwork filters are in good repair and properly installed.

Blocking registers during an incident with a towel or blanket may be helpful.

OPTIONAL FEATURES:

1. Auxiliary sensor switches can be used to trigger the Interceptor. The switches must be normally open (close on activation). If used, the aux switches must be

wired in parallel with terminals 1 and 2. Refer to figure B. Use only reliable sensors. Additional N100 IR detectors like the one in the Interceptor are available separately.

2. An auxiliary bell, siren, or dialer can be connected to terminals 3 and 4. Maximum current rating is 800 mA at 12 volts dc. Devices must be wired with proper polarity. Terminal 3 is plus(+) and 4 is minus(-). Note: The auxiliary circuit is energized only after the aerosol is triggered, and remains energized for approx. 90 sec.
3. Additional antiburglary devices (Repulsar I and the Repulsar IV) can be wired to terminals 5 and 6. See figure B. Observe proper polarity.

MAINTENANCE:

1. The can of OC aerosol contained in your Interceptor is pressurized and has a shelf life of 3 years. Please note the expiration date on the can and order a replacement at that time.
2. The 8 "C" cell batteries should be replaced whenever the battery test circuit indicates low battery level.
3. The IR detector has its own independent power source, a lithium battery with an estimated life of 10 to 20 years. A low battery level is indicated by a reduced detection sensitivity. The battery is soldered in place in the detector. Return to us or local electronics technician for replacement.

RELOADING:

To replace the can, pull the retainer pin on the side of the Interceptor housing. The old can should drop out. Stand to the side of the Interceptor to insert a new can with the nozzle pointing forward and slip the can retainer pin into place. Do not use anything other than a Interceptor replacement can since poor performance or damage to furnishings could result.

ABOUT OC PEPPER:

Oleoresin capsicum (OC) is a natural food additive derived from hot peppers. In aerosol form, even in light concentrations, it will cause uncontrollable coughing. In higher concentrations, the coughing is worse accompanied by a choking feeling and nausea. Other effects are a burning sensation in the eyes and excessive tearing. Heavy exposure may also cause a burning sensation on exposed skin. It is nearly impossible to accomplish any task in the presence of this material and a person's primary concern is to get away.

TREATMENT FOR EXPOSURE:

For light or indirect exposure, simply move to an unaffected location. The effects

should subside and disappear within 30 to 45 minutes.

For heavy exposure affecting the eyes, flush with cool clear water. For heavy skin exposure, remove saturated clothing, and wash the affected area with soap and water. Shower at your earliest convenience. If symptoms persist see a physician.

Note: Allergy sufferers may have extra sensitivity to OC.

CLEARING OC AFTER DISCHARGE:

The aerosol in the exposed room will typically dissipate in 3 to 4 hours. Residue will usually be unnoticeable but may be removed if desired by normal household cleaning procedures. Avoid sweeping. Ventilation will speed the airing out process.

LIMITED WARRANTY:

This warranty is exclusive and in lieu of all warranties whether expressed or implied or statutory. Revel Technology, Inc., hereafter referred to as Revel, warrants its products for one year from date of shipment.

Revel, in these instructions and all advertising and descriptive literature, has attempted in good faith to accurately explain the operation, capabilities and limitations of its products. Decisions concerning suitability and safety for use of its products in any particular application are the responsibility of the purchaser.

Revel's liability arising out of the supplying of such products, or their use, whether on warranties, due to negligence or otherwise, shall not in any case exceed the cost of correcting such defects, or replacing such defective product with the same, or similar, product of equal or greater value which is being manufactured at the time replacement is made.

Revel shall not be liable for any product which has been modified, abused, or misused physically or electrically. In no event shall Revel be liable for consequential damages, nor for any amount in excess of the net price of the products found to be defective or not in conformance with applicable specifications.

With respect to products found to be defective or not in conformity with applicable specifications, the products will be repaired or replaced and shipped back at Revel's expense.

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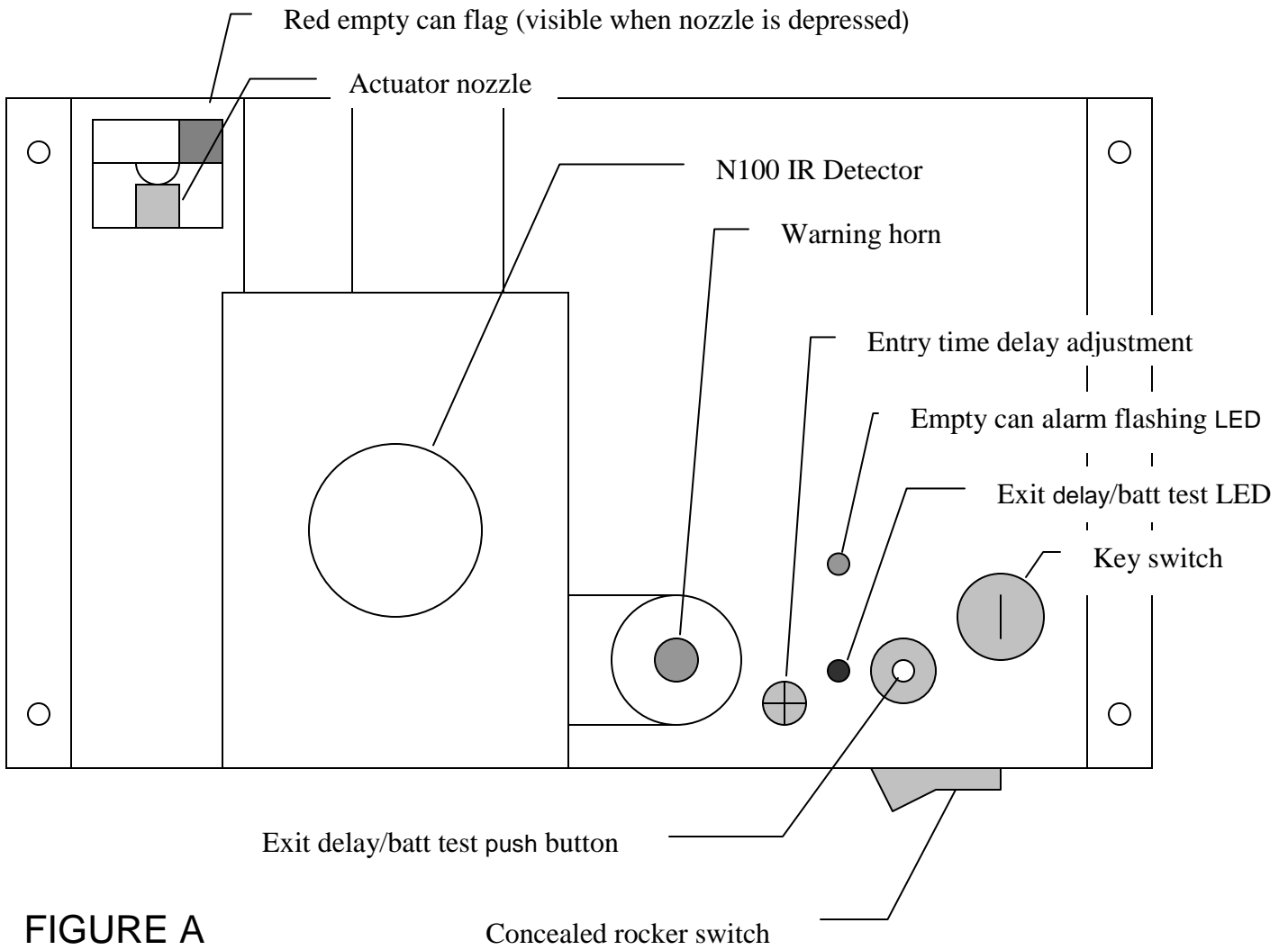


FIGURE A

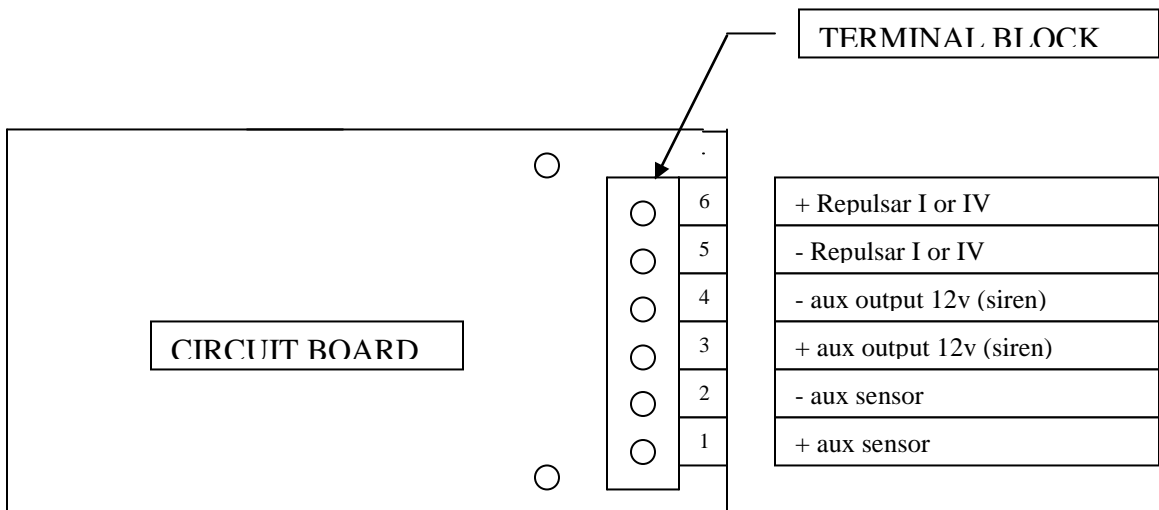


FIGURE B