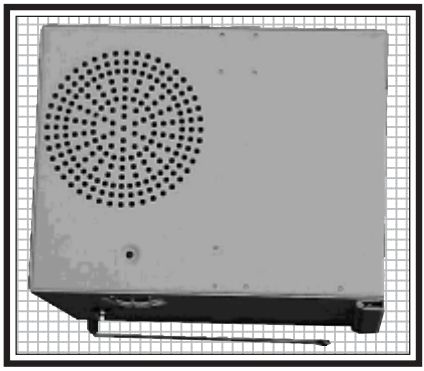
ABS-1000+ SECURITY ALARM INSTRUCTION MANUAL



PATENT # 6130610

THE ABS-1000+ SECURITY ALARM CONTAINS THE FOLLOWING ACCESSORIES:

(1pc.) AC to DC Adaptor (In. - 120VAC, Out. - 15VDC)
(2pc.) Remote Controller W/ Battery
(1pc.) Battery connection Wire
(4pc.) Wall Mounting Bracket
(1pc.) Antenna w/ Screw Nut
(1pc.) 10K Resistor (0.5W)

THANK YOU VERY MUCH FOR PURCHASING THIS UNIT. FOR OPTIMUM PERFORMANCE, FOLLOW THE INSTRUCTIONS IN THIS MANUAL CAREFULLY.

This is a self contained remote control operated motion activated security device with a built-in P.I.R. with a 360° detection pattern (Range depends on mounting height), L.E.D. indicator , and audible arm/disarm tones. When armed, this unit will trigger if there is motion in the detection area. When triggered, the built-in 115dB siren will sound for approximately 1 minute and then reset - provided there is no motion in the detection area (If motion is still present, the unit will cycle again and continue to do so until disarmed). There are also input trigger terminals provided for external sensing devices and auxilliary output terminals to trigger other devices.

ARMING & DISARMING THE SYSTEM:

When arming the security system , you must wait a period of approximately 1 minute for the sensor to set. At that time the area is protected. This prevents false alarms during sensor setup and allows time to leave the area. All inputs (N/O or N/C) are instant after arming the system.

CODE SETTING:

There are 8 jumpers with a choice of (+) to center or (-) to center for each. All jumpers must be in one of these positions. Match the jumpers in each remote with the jumpers on the main board.

FEATURES:

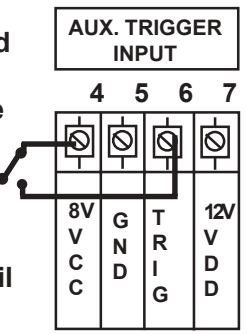
A plug-in 100-240VAC to 15VDC/1200mA power supply is included with this unit. There is a a plug on the output of the AC/DC adaptor that plugs directly into a jack on the connection board.

REMOTE CONTROLS (INCLUDED):

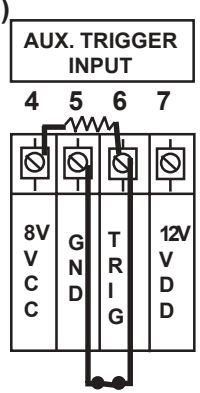
2 programmable remote controls are provided. There are 2 buttons on the remote: Button #1 arms the unit, button #2 disarms the unit. See "Code Setting" for coding instructions.

AUXILLIARY TRIGGER INPUT (N/O)

This input is only active when alarm is armed.
A normally open dry contact input is provided at terminals 4 & 6 to allow this system to be activated by a normally open device such as: Magnetic contact, panic switch, moisture detector, pressure mat, etc.; this also allows the unit to be triggered by any other system providing a dry N/O relay output.Unit will reset after approximately 1 minute if circuit is re-opened (Or unit is disarmed), if not the unit will cycle again and continue to do so until contact is broken or unit is disarmed.



AUXILLIARY TRIGGER INPUT (N/C NON-SUPERVISED)



This input is only active when alarm is armed. A normally closed dry contact input is provided at terminals 4, 5 & 6 to allow this system to be activated by normally closed series circuit switches such as: Magnetic door/window contacts, etc.. To use this feature, a 10K resistor (Provided) must be connected to terminals 4 & 6 and the closed series circuit must be connected to terminals 5 & 6 (If not using closed circuit, resistor is NOT used). Unit will reset after approximately 1 minute if circuit is restored (Or unit is disarmed), if not the unit will cycle again and continue to do so until contact is restored or unit is disarmed.

AUXILLIARY RELAY OUTPUT

This unit provides a form "C" (N/O & N/C) dry contact output rated at 5A/125V at terminals 8(C), 9(N/C), & 10(N/O). This relay output transfers contact when unit is triggered in armed status, and then retransfer when unit resets or is disarmed. This output may be used to trigger auxilliary devices such as a phone dialer etc.

AUXILLIARY VOLTAGE OUTPUT

A constant 12VDC output (Max. 500mA) is supplied at terminals 7(+) & 5(-)

TAMPER SWITCH

There is a tamper switch mounted in the cabinet. Removing the cover access plate when the system is armed will activate the tamper function and the alarm will sound. Unit will reset after approximately 1 minute if cover is replaced, if not the unit will cycle again & continue to do so until cover is replaced or unit is disarmed.

L.E.D. INDICATOR

An L.E.D. indicator light has been provided to monitor the status of the system. On indicates ARMED status, off indicates DISARMED status, and flashing indicates ALARM CONDITION.

MOUNTING

Brackets are provided for easy mounting. Sensor should be positioned facing floor whether unit is wall or ceiling mounted (See diagram on P 8).

KEY SWITCH (OPTIONAL)

A key switch may be used to arm & disarm the system. A maintained action (On/Off) key switch may be wired to term. 1 & 2.

REMOTE L.E.D. INDICATOR (OPTIONAL)

A remote L.E.D. to indicate system status may be wired to terminals 2(-) & 3(+). The L.E.D. output is 1.8 Volts DC. This L.E.D. will light when unit is armed and turn off when unit is disarmed.

BATTERY CHARGER (OPTIONAL)

This unit has a charging circuit for a 12 Volt sealed Lead/Acid type rechargeable battery. A 12 Volt 4 Amp/Hour battery (Not supplied) is suggested, and is connected to terminals 11(-) & 12(+). Should A.C. input power fail, the battery will take over automatically.

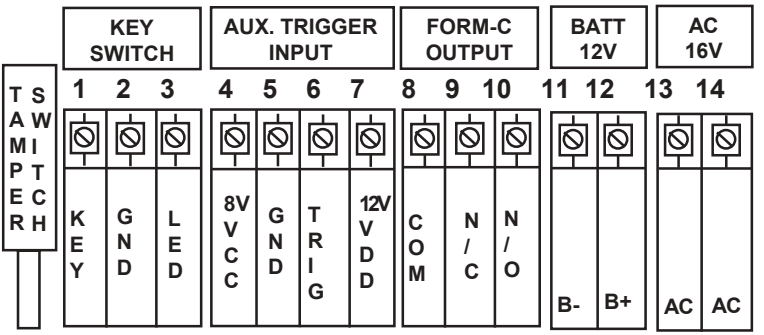
16 VOLT A.C. POWER* (OPTIONAL)

This unit may be powered by a 16 Volt AC/40VA transformer using terminals 13 & 14

<u>*NOTE: YOU MAY ONLY USE ONE POWER SOURCE!</u>

If using 16VAC, <u>DO NOT</u> attach the supplied 15V AC/DC adaptor, as the unit will be damaged with both power sources attached.

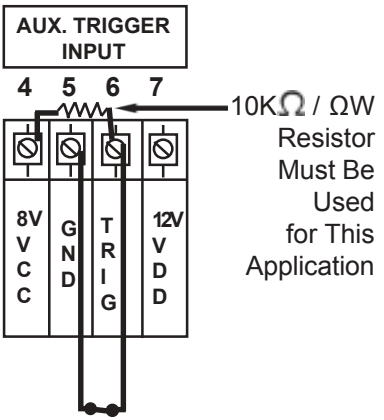
<u>ABS-1000+ Connections</u>



<u>NOTE:</u> When installing antenna, <u>HAND TIGHTEN ONLY!</u>

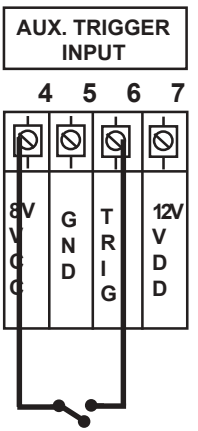
<u>Wiring for ABS-1000+ Using External Contacts</u>

N/C Loop
NON-SUPERVISED



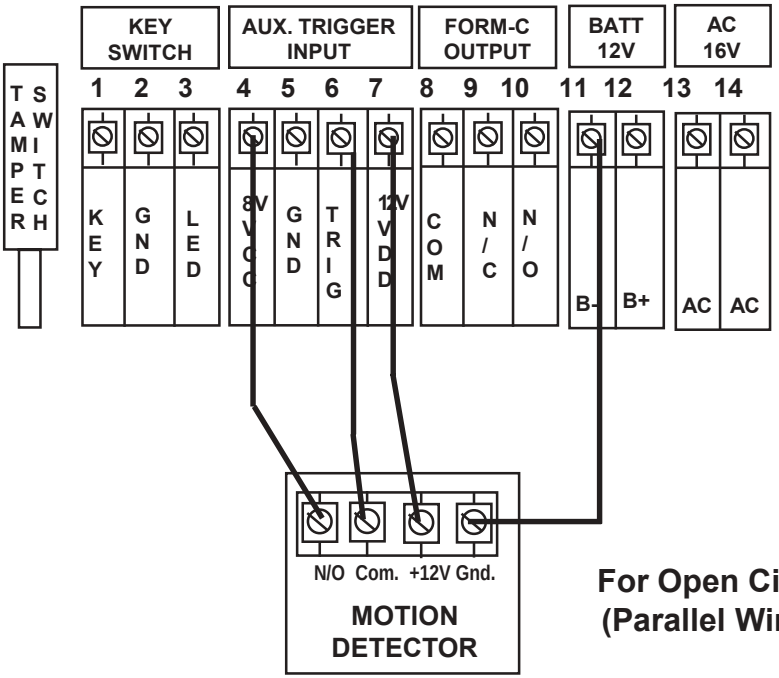
Normally Closed Contact

N/O Loop



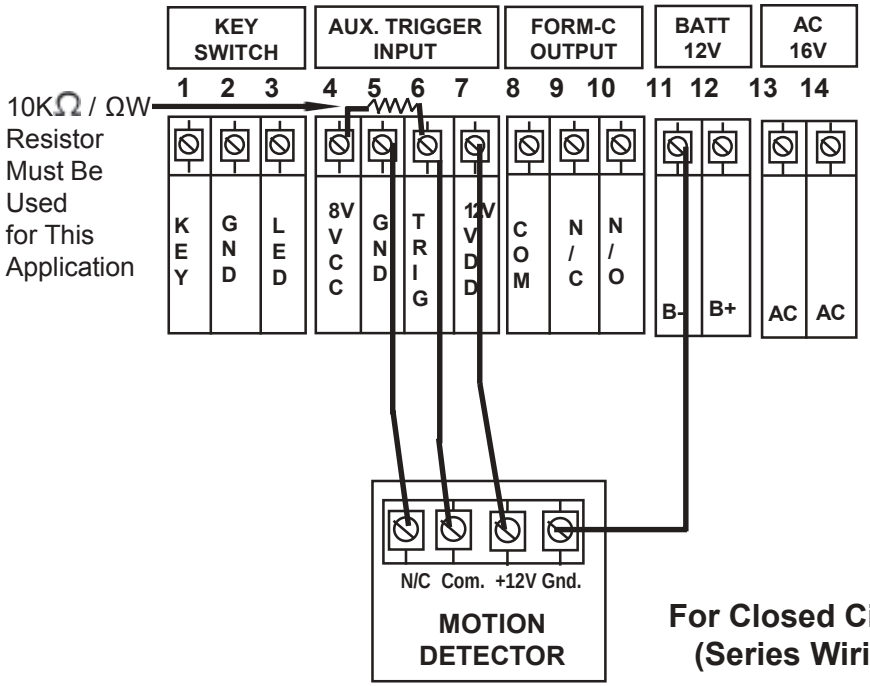
Normally Open Contact

Wiring for ABS-1000+ with External Open Circuit PIR Motion Detector



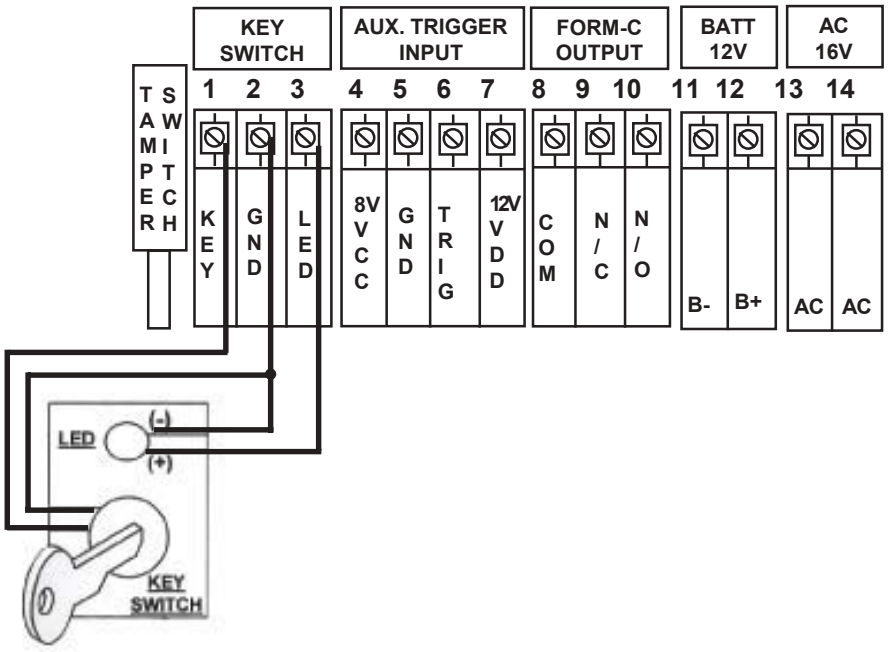
For Open Circuit (Parallel Wiring)

Wiring for ABS-1000+ with External Closed Circuit PIR Motion Detector

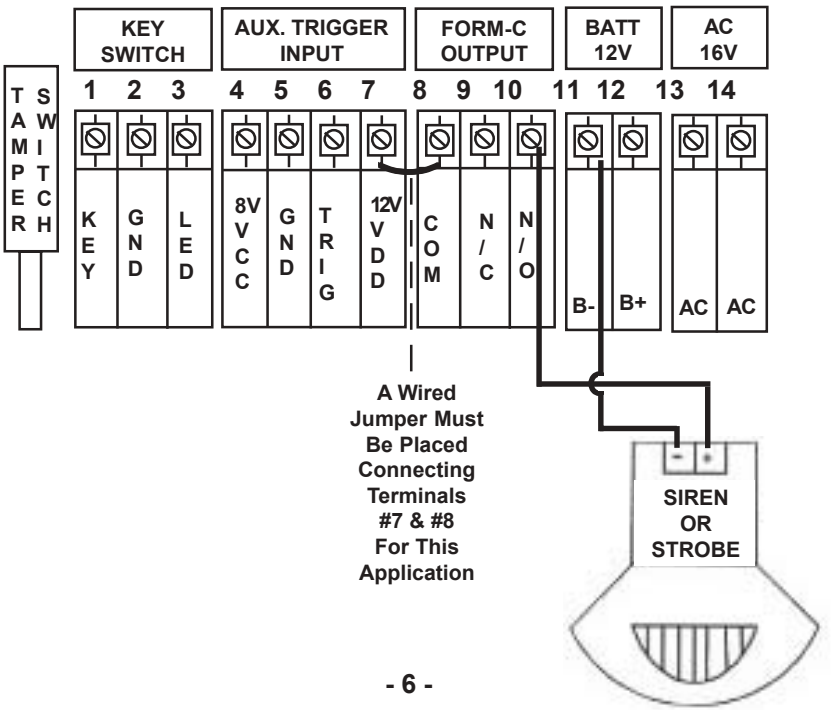


For Closed Circuit (Series Wiring)

Wiring for ABS-1000+ Key Switch Arm/Disarm



Wiring for ABS-1000+ Using Onboard Power Supply & External Sounder (Only 500mA Maximum Allowed)



REMOTE KEYCHAIN TRANSMITTER FOR ABS-1000+ (RA-02R)

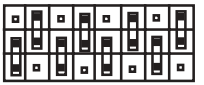
The keychain transmitter conveniently fits on any keychain. It allows you to arm and disarm the system from a distance of approxamately 50 ft. from the ABS-1000. The distance will depend on what is between the keychain transmitter and ABS-1000.

Note: Make sure you press down on the transmitter for one full second or the system may not respond.

CODE SETTING:

There are 8 jumpers with a choice of (+) to center or (-) to center for each. All jumpers must be in one of these positions. Match the jumpers in each remote with the jumpers on the main board.

CODE SETTING



FACTORY DEFAULT CODE POSITIONS

TO ARM THE SYSTEM USING THE KEYCHAIN TRANSMITTER

Press button Key 1, and the ABS-1000 will beep once. The system will be armed.

TO DISARM THE SYSTEM, OR DEACTIVATE THE SIREN USING THE KEYCHAIN TRANSMITTER

A) When the system is armed: Press button Key 2. The red light on the transmitter flashes and the ABS-1000 beeps twice. The system is now disarmed.

B) When the siren is sounding: Press button Key 2. The red light on the transmitter flashes and the siren is now deactivated.

KEYCHAIN TRANSMITTER BATTERY

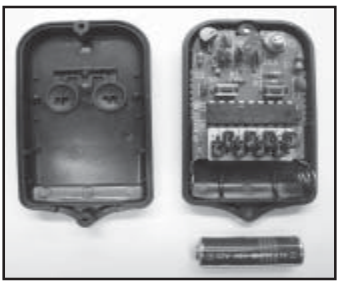
TO REPLACE THE KEYCHAIN TRANSMITTER BATTERY

1. Undo the 2 screws on the back of the transmitter. The back will then come off.

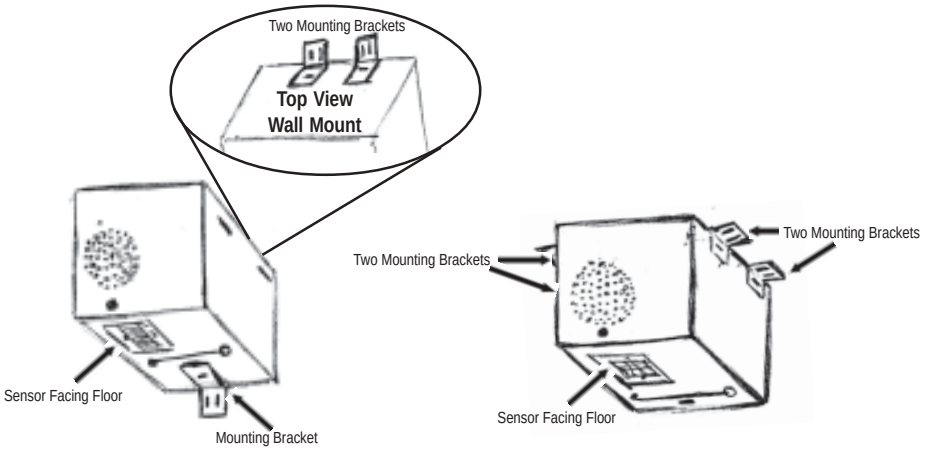
2. Using a small screwdriver or pen knife, pry out the old battery from one end.

3. Place the new 12V (A23) battery in position. A diagram beside the battery well indicates which end is positive and which is negative.

4. Close the battery cover and reinsert the two screws.



ABS-1000+ Mounting Diagram



Bottom View Wall Mount

Bottom View Ceiling Mount

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

NOTE: This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

•Reorient or relocate the antenna
•Increase the separation between the equipment and receiver
•Connect equipment to an outlet on a circuit different from that to which the receiver is connected
•Consult the dealer or an experienced Radio/TV technician for help

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