ABS-1000 SECURITY SYSTEM INSTRUCTION MANUAL

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 2 minutes 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 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:

•12 VOLT D.C. 1,000 mA POWER SUPPLY (INCLUDED)

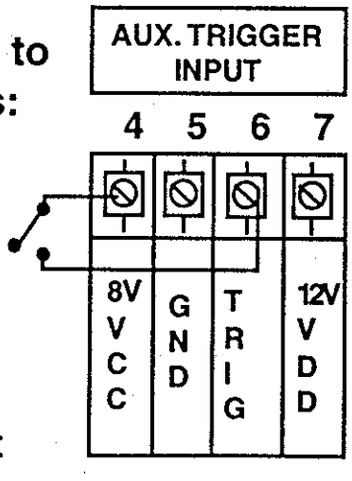
A plug-in 110VAC to 12VDC power supply is included with this unit. There is a a plug on the output of the power supply that plugs directly into a jack on the main board.

•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.

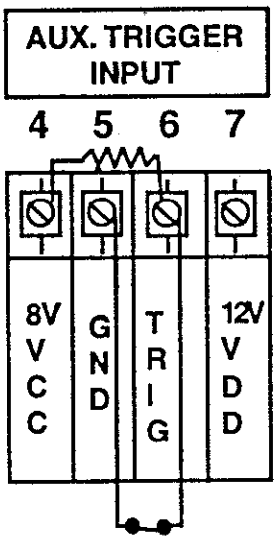
•AUXILLIARY TRIGGER INPUT (N/O)

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 2 minutes if circuit is re-opened , 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 2 minutes if circuit is restored , 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 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(+) & 8(-)

•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 alatm will sound. Unit will reset after approximately 2 minutes if cover is replaced , if not the unit will cycle again and 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.

•PROTECTIVE GRILLE* (Included)

A metal grille protecting the P.I.R. is supplied. This grille is mounted over the sensor to protect it in harsh environments.

*NOTE: The use of this grille will decrease the range of the detection area , however it should still be sufficient for most applications (Grille may be removed for greater range).

•MOUNTING

Brackets are provided for easy mounting. Sensor may be positioned either vertically or horizontally depending on application.

•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 terminals 1 & 2.

•REMOTE L.E.D. INDICATOR (OPTIONAL)

A remote L.E.D. to indicate system status may be wired to terminals 2(-) & 3(+). This L.E.D. will light when unit is armed and turn off when unit is disarmed. Resistor for L.E.D. is on main board

•BATTERY CHARGER (OPTIONAL)

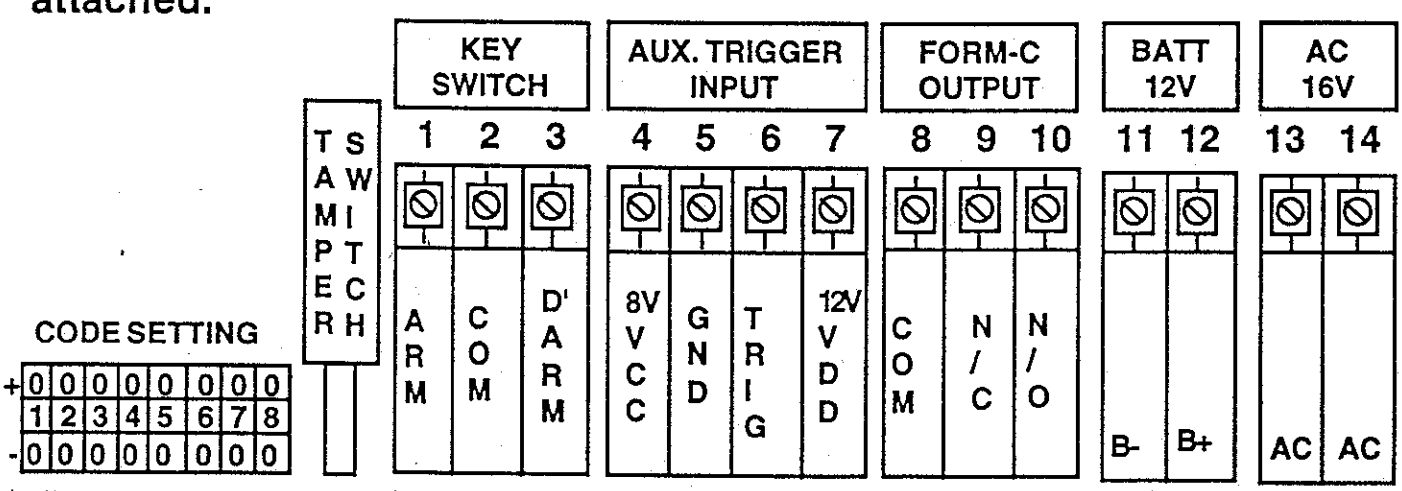
This unit has a charging circuit for a 12 Volt sealed Lead/ Acid type rechargeable battery. A 12 Volt 4 Amp/Hour battery (Not supplied) is suggested , and is connected to terminals 11(-) & 12(+). Should A.C. input power fail , the battery will take over automatically.

•16 VOLT A.C. POWER* (OPTIONAL)

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

*NOTE: YOU MAY ONLY USE ONE POWER SOURCE!

If using 16VAC , DO NOT attach the supplied 12VDC power supply , as the unit will be damaged with both power sources attached.



Warning : Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the 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 interfernce 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 televison 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 receiving antenna.
- ☐ Increase the separation between the equipment and receiver.
- ☐ Connect the equipment into an outlet on a circuit different from that to which the receiver is needed.
- ☐ Consult the dealer or an experienced radio/TV technician for help.

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