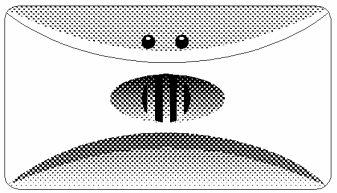
MAX-GLASS®

The best GLASS BREAK DETECTOR
With Anti-Masking



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FEATURES

- Double frequency Flex & Break identification
- Detects glass breaking of all glass types: Plate, Laminated, Wired, Tampered etc.
- **Anti-Masking protection.**
- Microcontroller based with unique algorithm
- M.I.C. - Memory Image Comparison
- Memory Latched Input
- Omnidirectional Sensitivity: allows mounting on ceiling or walls
- Two LEDs: Red = Alarm
  Green = Reception
- Easy to install and adjust

INTRODUCTION

MAX-GLASS is a delicate & sensitive ear design to detect glass breaking of actually all existing glass types in the market.

MAX-GLASS provides MAXIMUM reliability. It ignores any sound/noise but actual glass breaking, since it alerts only when a detected sound matches one of the variety glass breaking sound images recorded in its memory.

Anti-Masking protection

This Glass Break Detector contains a unique feature of **Anti-Masking** designed to alert when its sensor is blocked, so that its detection capabilities are diminished.

In the event of sensor blocking, the detector will alert by the following means:

- ☐ Prolonged **BIP**- through its built-in Buzzer.
- ☐ The Alarm Relay will open.
- ☐ Both, Green & Red LEDs will blink.

INTSTALLATION

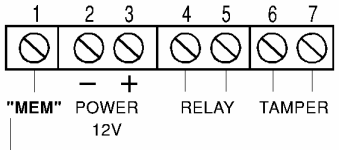
SELECT LOCATION

- Choose a location in front of the protected glass area. (any wall other than the one with the protected glass).
- Make sure that the detector's field of view is not blocked by any object.
- Avoid installation in the following locations:
  - ☐ Areas with substantial air currents.
  - ☐ Areas with high audio noise or vibrations.
- Detector's detection range may be decreased in a place with acoustically absorbing material.

MOUNTING

- Determine mounting position and cable routing.
- Hold the detector firmly in your palm-while front cover facing you.
- Open the front cover by pressing the clip located on the mid-right side with a screwdriver, and pull it upward.
- **DO NOT remove the PCB from the detector rear cover !**
- Run the cable along the cable-duct located on the back side of the rear cover and insert it through its prepared hole.
- Mount the rear cover to the wall/corner as determined previously.
- Connect the wires to the Terminal block (according to the Terminal block diagram).
- Close the detector case.

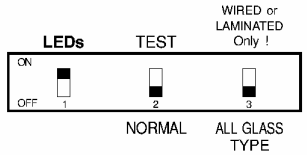
TERMINAL BLOCK WIRING



→ **"MEM"** terminal supposed to get indication from the alarm system control panel, whether it's Armed or Disarmed:
Armed = 0V
Disarmed = 12V or Open.
This terminal used for SET or RESET the "LATCHED MEMORY".

"LATCHED MEMORY" *means:*
If: a "true alarm" occured during the "armed" period,
then:
When switching the alarm system from "Armed" to "Disarmed", the Red LED will be activated for 5 minutes.

DIP SWITCH ADJUSTMENTS



TEST PROCEDURE

- Change DIP switch #2 to "TEST" position (ON), ***close the case,*** and stand near the protected glass.
- By means of a "glass break TESTER" or appropriate cassette, produce the desired glass breaking sound:
  The Geen LED (which indicates reception) should lit for a moment and immediately afterwards the Red LED will lit for a short time.
- **After the test, switch back DIP switch #2 to its "NORMAL" position (OFF) !**

SPECIFICATIONS

- Detection range 14m
- Detected Glass Types . . . . . All Types
- Minimum Glass Dimensions . . .30x30 CM

- Power Supply . . . . . 8 to 16V DC
- Current Consumption . . . . 14mA @ 12V
- Alarm Output . . . . . Normaly Closed Dry Contact (10 ohm serial), 0.1A/24V Max.
- Tamper Switch . . . Opens when cover removed, Rating 0.1A/24V Max.
- Warm-up Time . . . . . Instantaneous
- Alarm Period . . . . . 2 Sec.
- Indication LEDs . . . . . Red = Alarm Green = Reception
- LEDs Enable . . . . . By DIP Switch
- Test Mode . . . . . By DIP Switch
- Op. Temperature . . . . . -32^{0}C ~ 60^{0}C (-25.6^{0}F ~ 140^{0}F)
- Humidity . . . . . 95% Max.