INSTALLATION INSTRUCTIONS

BINGO

DIGITAL PIR DETECTOR With PET IMMUNITY up to 25 kg



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PRODUCT FEATURES

The BINGO Detector uses a special designed optical Lens with unique Quad (Four element) PIR Sensor and new ASIC based electronics optimized to eliminate false alarms, caused by small animals and Pets

The BINGO provides unprecedented levels of immunity against visible light.
The Detector offers an exceptional level of detection

capability and stability for every security installation.

The BINGO is supplied with Wide Angle lens with PET immune function.

- Four Element Imaging Technology "Quad".
- · ASIC based electronics.
- Immunity to animals up to 25kg (55 lbs).
- 18m Detection Range with Wide Angle Lens.
- Temperature compensation.
- Compact Design for Residential Installation.
- Variable pulse width adjustment.
- Sensitivity adjustment.
- Environmental immunity.
- Height installation calibration free (1.8~2.4m).
- LED ON/OFF Jumper
- Selectable Pulse Count (1, 2 or 3) Selectable PET Size (15Kg or 25 Kg)
- EOL spare Terminals Tamper Switch

Sensitivity Calibration

Fig. 1 - Wide Angle Lens

DETECTION PATTERNS

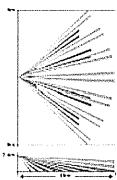
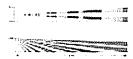


Fig 2 - Long Range Curtain Lens -



SELECT MOUNTING LOCATION.

Choose a location most likely to intercept an intruder. See detection pattern Fig. 1 and Fig. 2. The BINGO performs best when provided with a constant and stable environment and background. The quad-element high quality sensor detects motion crossing the beam; it is slightly less sensitive detecting motion toward the detector

Long Range Curtain Lens - OPTION

When pet immunity is required, optional Long Range Curtain Lens cannot be used. Pet immunity can only be achieved with Wide Angle Lens.

AVOID THE FOLLOWING LOCATIONS:

- Facing direct sunlight.
- Facing areas that may change temperature
- Areas where there are air ducts or substantial
- Avoid screen, curtain that may block detection area.
- Do not install outdoors.

PET IMMUNITY

Pet immunity is most effective on the following sized

Cats = 5 to 35 cm high at normal room temperature. Small to medium sized dogs = 10 to 45cm high at normal room temperature.

When a dog jumps up on desks, the BINGO may detect it. Adjust detection area to avoid such places. Mount between 2.1 and 2.4m. (For better immunity, especially for medium sized dogs, mount as close to

2.4m, as possible). Do not angle detector towards the ground or use the

Mount flat on the wall or in the corner

For best pet immunity, limit the detectors field of view to 10-12m maximum in any direction.

Pulse Count 2 or 3 is not required for Pet Immunity

Use 2 or 3 pulse only in harsh environment.

ff any shelves within 4.5m of the detector have a height that comes within 0.5-1m below the mounting height of the detector and rodents can access these areas, pet immunity will be reduced. Please select mounting location of detectors carefully to avoid this situation

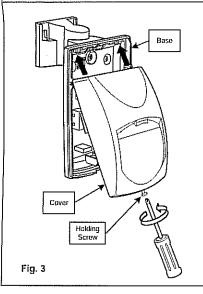
If there are cats, any shelves in the detection area will reduce pet immunity.

MOUNTING THE DETECTOR

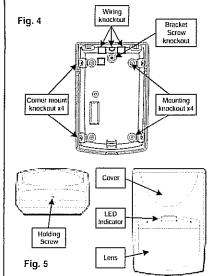
If ceiling or special wall mounting is required, use the optional bracket base. Refer to bracket description. (See fig. 8)

- 1. Unscrew the holding screw and gently raise the front cover (Fig. 3).
- 2. Carefully unscrew the PCB holding screw located on the PC board (Fig. 7).
- 3. Break out the desired knockout holes for proper installation (Fig. 4).
- 4. The circular and rectangular indentations at the bottom base are the knockout holes for wire entry. You may also use mounting holes that are not in use for running the wiring into the detector (Fig. 4).
- 5. For bracket mounting option lead wire through the
- Mount the detector base to the wall, corner or ceiling. (For option with bracket see Fig. 8).
- 7. Reinstall the PC board by fully tightening the holding screw. Connect wire to terminal block.
- Replace the cover by inserting it back in the appropriate closing pins and screw in the holding

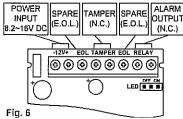
OPENING THE DETECTOR



MOUNTING DESCRIPTION



TERMINAL BLOCK CONNECTIONS



Terminal 1 - Marked - (GND)

Connect to ground of the control panel.

Terminal 2 - Marked + (+12V) Connect to the positive Voltage output of 8.2 – 16Vdc source (usually from the alarm control unit).

Terminals 3&6 - Marked EOL End of tine options

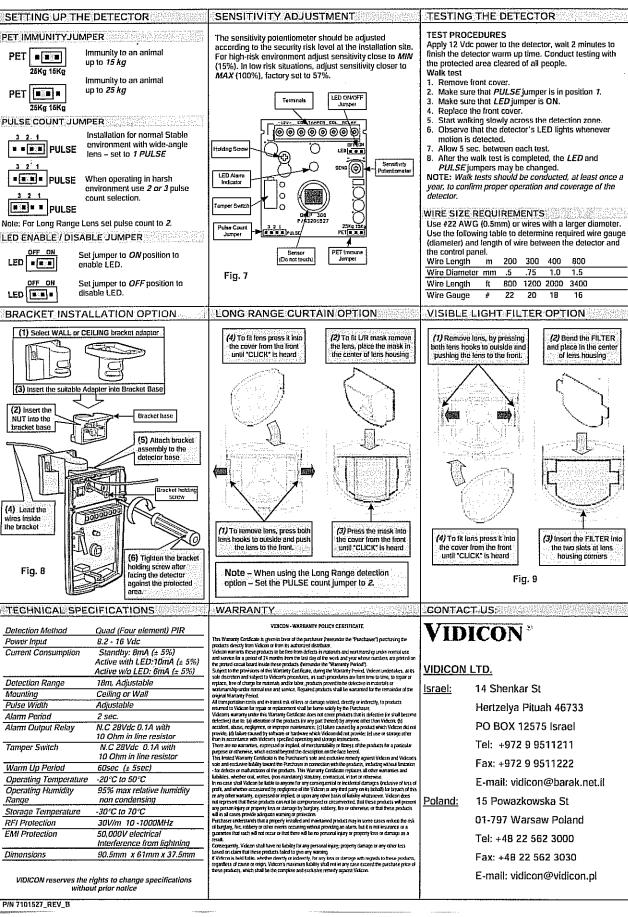
Terminals 4 & 5 - Marked TAMPER

Connect these terminals to a 24hour normally closed protective zone in the control unit.

Once the front cover of the detector is opened, an immediate alarm signal will be sent to the control unit.

Terminals 7 & B - Marked RELAY

These are the output relay contacts of the detector. Connect to the control at zone input.



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