

User's Installation Manual

For IR Beam Door Entry Alert Buzzer Bell Minder Kit

Single Infrared Beam Sensor Door Entry Alert Buzzer Bell Minder

Model: ABO-20LB + Buzzer + Power Adaptor

Uses modern PASSIVE INFRARED technology to detect and alert you to every person who enters your premises.

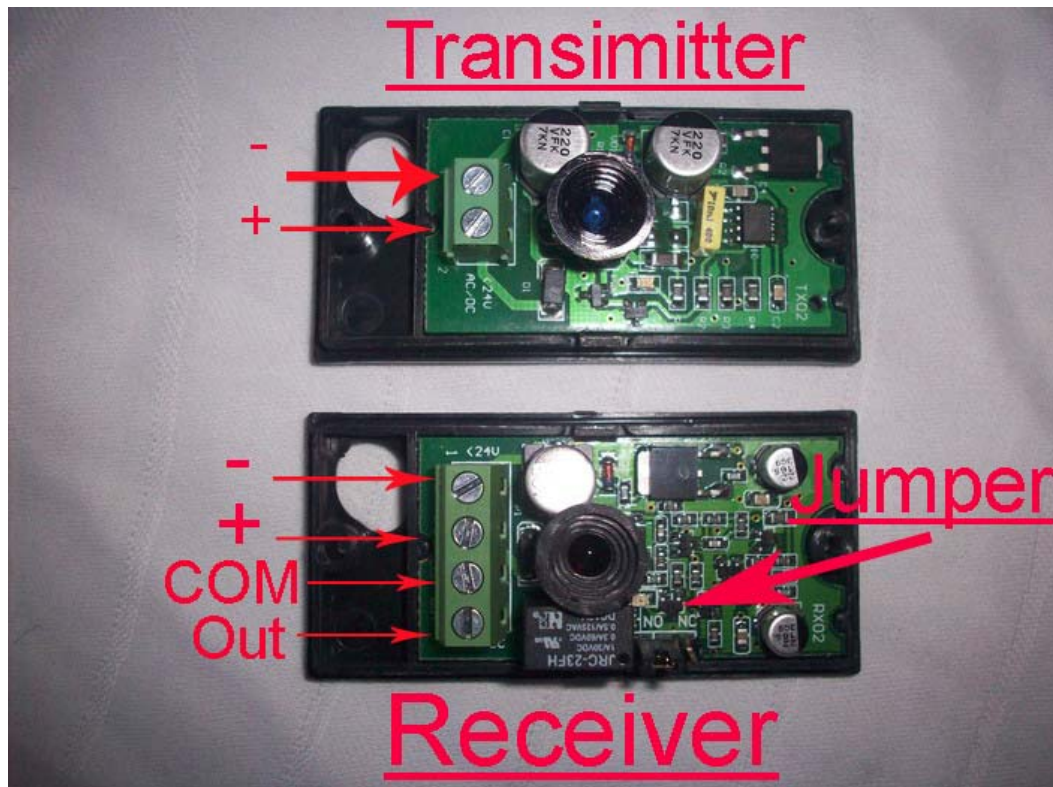
The specially designed detection pattern ensures maximum use of shop floor and reception area space.

Powered by Power Adaptor (Input: 230VAC, Output: 12VDC)



Features:

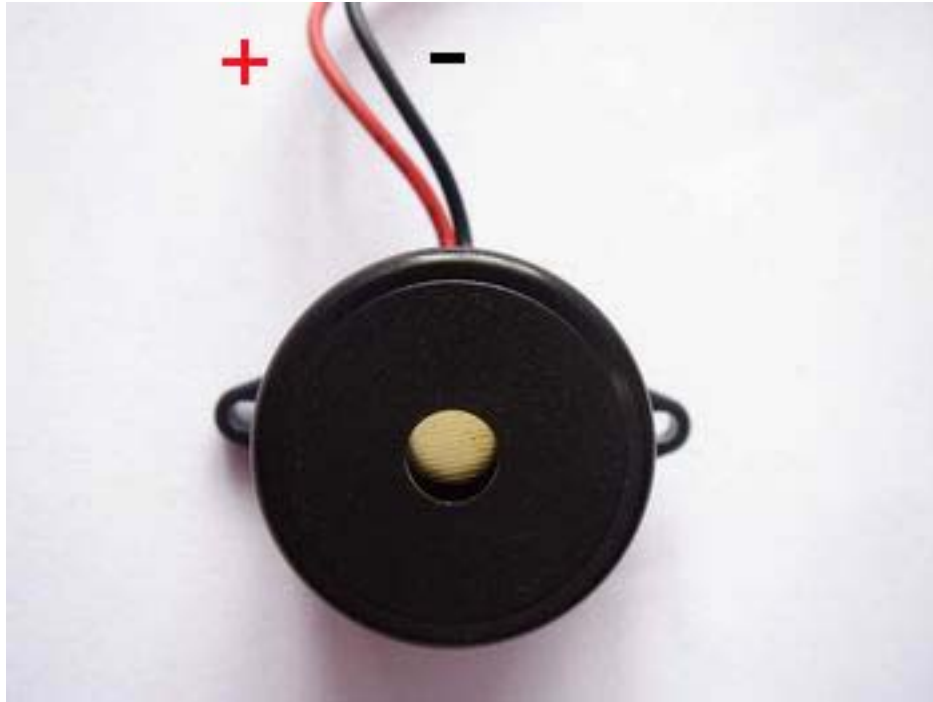
- 1) SURFACE MOUNT;
- 2) WEATHERPROOF HOUSING;
- 3) PULSED INFRARED BEAM RANGES UP TO 20m (Inside use);
- 4) BUILDING IN VARIABLE OUTPUT TYPE(NO/NC);
- 5) Suitable for Inside or outside use;
- 6) Easy and accurate adjustment thanks to the built-in laser.



Specifications:

- 1) Technology: Infrared;
- 2) Power Supply: 12V~24V DC/AC;
- 3) Receiver Range: 15 meters max;
- 4) Detection System: one beam;
- 5) Infrared Frequency: 1.92kHz;
- 6) Wave Length: 940nm;
- 7) Input: R 15mA,T 30mA;
- 8) Operating Temperature: -20C to 70C;
- 9) Relay Output: 1A Max 30V;
- 10) Dimensions: 49.2 x 76 x 21.6mm.

Note: Range will be reduced in bad weather.



Connection:

*For Transmitter

- 1) GND;
- 2) 12V~24V DC/AC.

*For Receiver

- 1) GND;
- 2) 12V~24V DC/AC;
- 3) Relay Common;
- 4) Relay Out: Voltage-free NC or NO (optional by jumper).

NC Out=Normally-Close Contact

NO Out=Normally-Open Contact

Note:

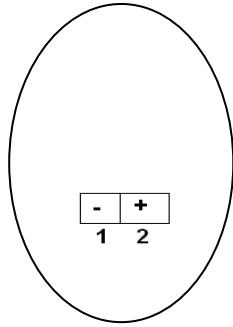
- 1) Relay Out: NO when Sensor Door Entry Alert Bell Minder;
- 2) RELAY NO Out can be as Doorbell Push Button, so Door Entry Alert Bell when connected to a buzzer or bell.

CONFIGURATION & **Wiring**:

OPENIGN BEAM = NO (Normally Open) Jumper Setting

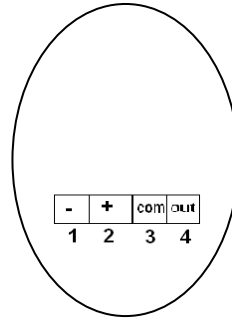


In this configuration, A beam between the units creates an invisible INFRARED sensing alert. Whenever the Beam is cut, as people pass through this beam, the infrared beam is interrupted, its Relay output between COM and OUT signals as doorbell push button is pressed, so they are detected and an alert is made.



Transmitter

- 1 = 0V/AC or DC (-)
- 2 = 12V/AC or DC (+)



Receiver

- 1 = 0V/AC or DC (-)
- 2 = 12V/AC or DC (+)
- 3 = Com.
- 4 = Output

NOTE:

1. You can lower the **sound volume** by sticking a tape on the surface of buzzer.
2. Specifications described herein are subject to change without notice