

IDS product guide

Dual beam



SOUTH AFRICA'S LEADING MANUFACTURER AND DISTRIBUTOR OF
ELECTRONIC SECURITY PRODUCTS

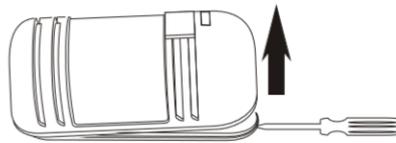
Introduction

This is a guide to illustrate how to install a single pair of IDS Dual Beams.

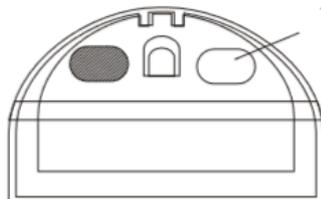
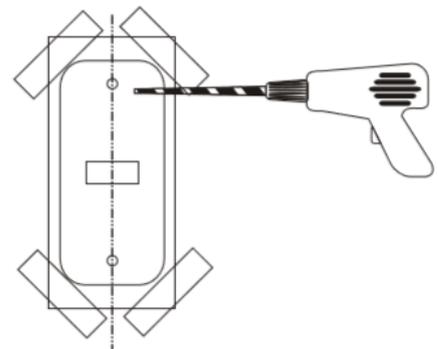
1. Beam installation

1.1. Mounting beam

Remove the cover.

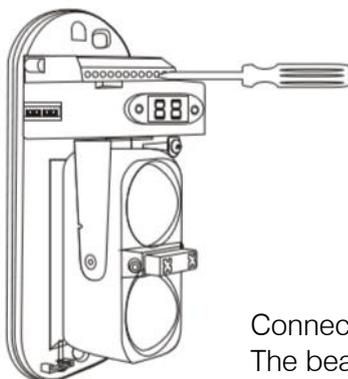


Attach the paper stencil onto the location where the beam is to be mounted and drill the holes in the marked positions.

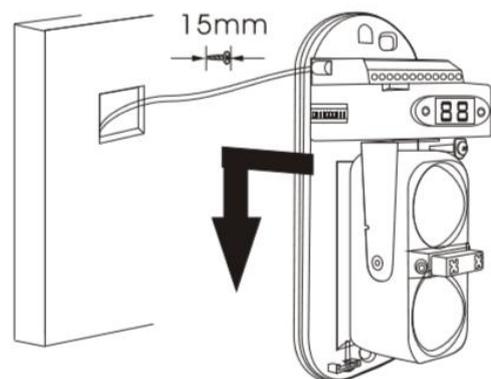


Wiring hole

Feed the cable through the wiring hole of the beam.



Fix the beam to the wall.

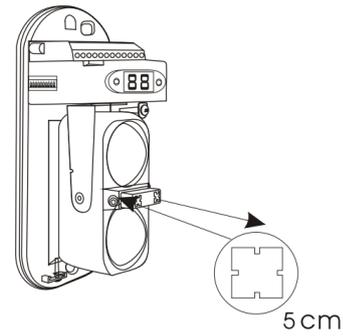
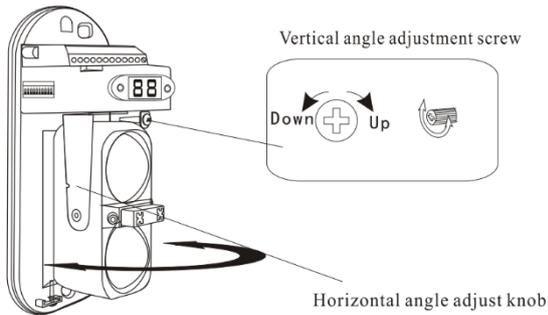


Connect the cable to the wire terminals.
The beams require 13.8 DC voltage and has no polarity meaning you can put positive and negative in either terminal.



1.2. Beam alignment

On both the transmitter and receiver look through the view finder at a distance of 5cm, and adjust the vertical and horizontal angles until the opposite beam is in the centre of the view finder.



You can adjust the horizontal angle using the Horizontal angle adjustment knob, and the vertical angle using the Vertical angle adjustment screw.

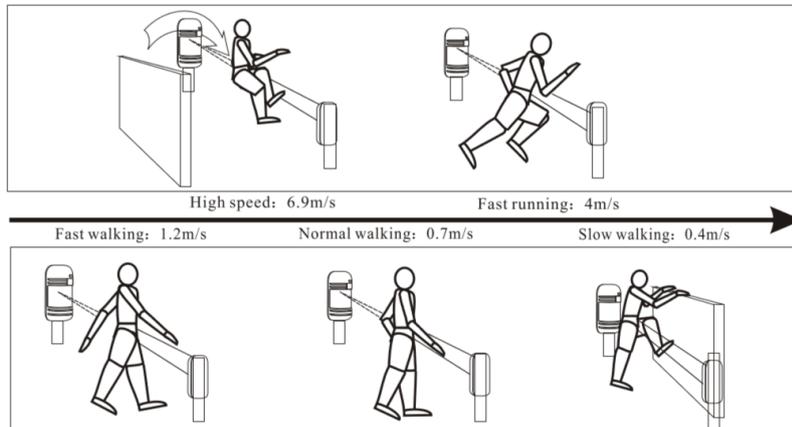
On the receiver make sure dipswitches 7 & 8 are ON to display the signal strength on the LCD screen. The signal strength must not be below 1.8 and for best results should be as high as possible to a maximum of 3.6.

1.3. Beam response time



Adjust the response time of the receiver generating an alarm based on the time needed for an intruder to cross the beam area.

The Min point is the slowest time (0.4m/s) needed to trigger an alarm.



1.4. LEDs

The red transmitter LED is always ON providing there is sufficient power. The red receiver LED is OFF in normal use and ON when there is an alarm condition.

1.5. Receiver dipswitches

Dipswitch 7 & 8 must be ON to show the signal strength. Use dipswitch 9 to turn the Buzzer ON and OFF, the buzzer will trigger when there is an alarm condition.

Dipswitch 10 on both the receiver and transmitter will turn ON/OFF the digital display and LEDs.