## . Technical Features WDS SB [433]

Max Range External / Internal	: 50 / 200 Metres
Trigger / Turn ON Time	: ≤ 150 mSec. / 1 Sec. + Delay
Batteries life	: > 5 years
Outputs SB 433 version [with Radio]	: Alarm , Tamper proof , Low Battery and Life
Outputs SB version	: Alarm <b>Open Collector</b> Closed to GND : Tamper proof <b>N.C.</b> Contact (solide state)

Sunlight immunity RF Immunity

Operating Temperature IP grade Protection





Description

Universal

I/F Outputs

WDS SB 433 1 Beam Barrier H = 28 cm. (Tx + Rx) with 433 MHz Radio Tx

WDS SB 1 Beam Barrier H = 28 cm. (Tx + Rx) with Open Collector OUTs

Accessories :

Order Codes

RIP 433 433 MHz Radio Repeater to extend Radio Range of 100 Metres

DUAL KFP Brackets Kit for wall mounting (4 pieces)

**SB STAF** Brackets Kit for pole 48 mm. mounting (2 pieces)

6

: + Battery 3 or 3,6 V Jumper selectable

: EN 50131 - 4 (80 MHz+2,7GHz) - 10 V/m

+ B (3/3,6) V

N.C. Tamper **●**■

N.C. Tamper

**O.C. Allarme GND** (0 V) 3,6 V

3 V

:≥50.000 Lux @ ±5°

: (- 25 / + 55) °C Ambient

: IP 54



SELF - POWERED I.R. Barrier Dual OPTIC Range 50 Metres



**NOPTEA** 

# OPTEA s.r.l.

Via Saragat , 14 40062 Molinella (BO) - ITALY

Tel.: +39 051 665.00.71 Fax.: +39 051 665.00.28

Sito internet : <u>www.optea.it</u> e-mail : <u>info@optea.it</u>

### . Description WDS SB [433]

The WDS SB implements a barrier with double infrared beam and allows to detect an intrusion. The barrier is divided into a part that generates the infrared signals and a receiver section that detects them and decides whether or not to activate an ALARM. Being the WDS powered by lithium batteries, with the transmitting module at 433 MHz or adding a radio contact, you can 'get a completely wireless installation. The barrier can works on four different frequencies to avoid interferences when installed nearby to similar barriers. The barrier allows you to manage Tamper proof and Alarm separately and to have the battery warning and Tamper proof also of the transmitter side that sends these signals to the receiver by OPTIC way. In the version 433 with radio on board, all signals are sent to the card Rx radio (Wi Rx 8). In the case of external transmitter, the information of Battery Low can be available by feeding the external transmitter by the internal battery of the sensor. The external transmitter should be feed with the battery output with Jumper selectable onto 3 or 3.6 volts . The outputs of the NC Tamper are given by means of a solid state relay because of many contact transmitters NOT ALLOW 2 inputs to manage separately Alarm and Tamper proof. When YOU change the dip switch SETTINGS, the MEMORIZATION takes place PRESSING for about 5 seconds the little button both on the transmitter and the receiver side .

<u>N.B.</u>: To use more barriers onto the same track , there is a delay associated to each frequence selected. You have a delay of 1, 2 or 3 Seconds , respectly for frequence 3, 2 or 1. No delay using frequence 4 (default working frequence).

1

6

### .Mounting the WDS SB [433]

A) Remove the TOP cap (4)

B) Slide the rails behind the barrier (1), the wall mounting brakets, first the lower (2) and then the upper (3) or pole mounting braket (1 pcs).

C) lock them in place using the allen screw

D) Fix the barrier to the wall, by means of blocks of 5 or 6 mm (Fig. 5), both the top and bottom side

- E) Remove the front (the Infrared plastic)
- F) Proceed to alignment and wiring (see put Into function)

G) Re-position the front

H) Re-position the Top cap (4)

I) Tighten the cap screw and the 'O-ring (6)

#### . Put into function the WDS SB [433]

A) Set the same working frequence in both sides Tx and Rx
B) Set in the receiver the OUTPUT mode (Radio or Universal)
(by Dip 2)



