

Ordering codes Description (Nr. of Beams – Height Barrier)

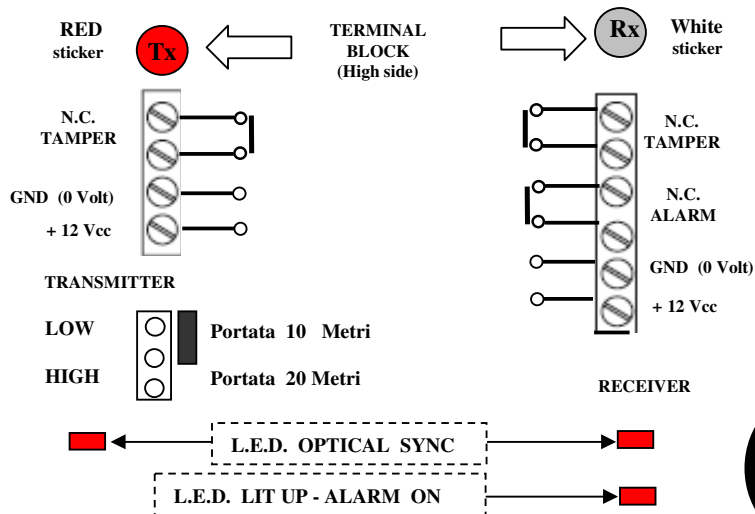
WSA TOP HR 05	2 or (4) direct beams barrier (crossed)	H= 0,5 Metres
WSA TOP HR 10	4 or (10) direct beams barrier (crossed)	H= 1,0 Metres
WSA TOP HR 15	6 or (16) direct beams barrier (crossed)	H= 1,5 Metri
WSA TOP HR 20	8 or (22) direct beams barrier (crossed)	H= 2,0 Metri

General Description

The WSA TOP HR barrier is managed by a microprocessor which controls all major functions and manages the OPTICAL SYNCHRONIZATION. The software allows the barrier to operate in 3 different ways, which basically summarize the various installation requirements. Direct or crossed rays , AND Function with 2 ADJACENT beams to get an ALARM . By the use of a screwdriver, you make a SHORT circuit between 2 points on the RECEIVER Barrier and you get in quickly and easily, the desired MODE of operation. Barriers are factory pre-programmed as follows:

from 2 to 4 Rays → **Mode 1** (1 Beam for ALARM)
 from 5 to 8 Rays → **Mode 2** (2 Beams for ALARM)

Wiring to WSA TOP HR



USER GUIDE WSA TOP HR 05 ... 20

- Anti-Switching FILTER on board
- Intelligent OPTICAL Synchronization
- Tripple optics for each Tx beam

2 to 8 beams I.R. BARRIER with internal electronics Max Range : 10 Mt.

APPLICATIONS

Anti-intrusion for WALL PROTECTION



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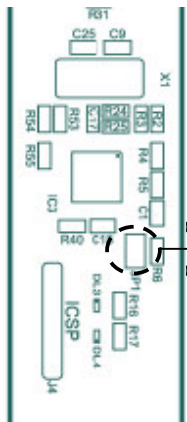
PRE-Operation mode set on the receiver

Mode 1 (BLINK LED 1-SYNC) : Direct rays - Alarm with 1 beam - T-int **240** mSec.

Mode 2 (BLINK LED 2-ALARM) : Direct rays - Alarm with 2 beams - T-int **120** mSec.

Mode 3 (BLINK LED 1 and LED 2): Crossed rays – Alarm with 2 beams - T-int **120** mSec.

WSA TOP HR Programming (RECEIVER side)



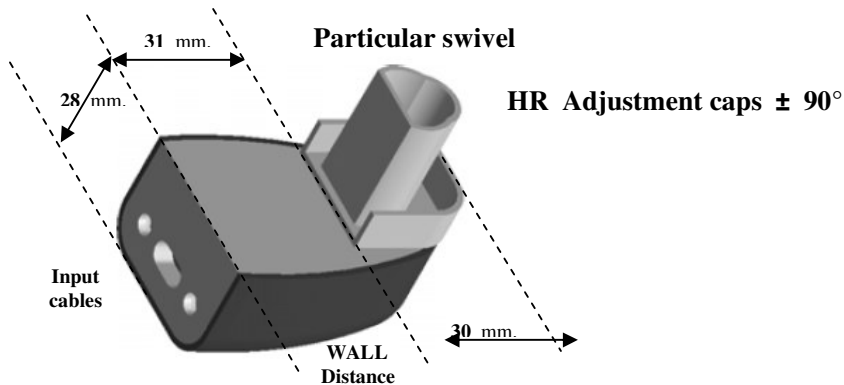
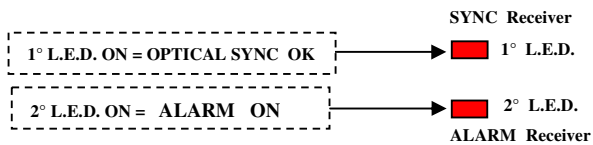
1) JP1 must be Short-circuited with a screwdriver for 5 seconds

2) The LEDs flashing in the MODE set

3) Opening and Short-Circuit is to select the modes 1, 2 or 3

4) leaving JP1 open 5 seconds you EXIT programming MODE

JP1 Tin plated contacts (above the LED 1 and 2 right, terminal UP)



Technical Features WSA TOP HR

OPTICAL range Min - Max : 1 - 20 Metres w/h Jumper **Low /High** onto Tx barrier

Nr. Of BEAMS for ALARM : 1 o 2 (ADIACENT)

Nr. Direct / Crossing RAYS : 2 ... 8 / (4 ..22)

Min. range for Crossing RAYS ≥ 5 Metri

Trigger time / (Turn OFF) : 120 or 240 mSec. / (1 Second)

Supply voltage - current : 12 Volt (10÷16) Vdc - 30 mA (6 Beams)

Outputs BARRIER : N.C. **ALLARME** (Rx only) and N.C. **TAMPER PROOF**

Contact load : 24 Vcc - 0.5 A

Operatine temperature : (-15/+60) °C

IP grade : IP 55

Range adjustment

Optical distance (Metres)	OPTIC of the Barrier	Tx JUMPER [Range]
≤ 5 (≤ 3 White)	Remove all LENSES (*)	LOW position
≤ 10 (≤ 5 White)	Leave all LENSES	LOW position
≥ 10 (≥ 5 White)	Leave all LENSES	High position

(*) = Just pull out LENSES from LEDs



Other Features of WSA TOP HR

Automatic Recognition number of RAYS installed (from 2 up to 8)

3 Pre-Set Operating mode by Microprocessor

Anti- Switching FILTER on board

Tripple I.R. L.E.D. onto **Trasmitter** with **FAIL SAFE** drivers

Intelligent OPTICAL Synchronization with **MEMORY**