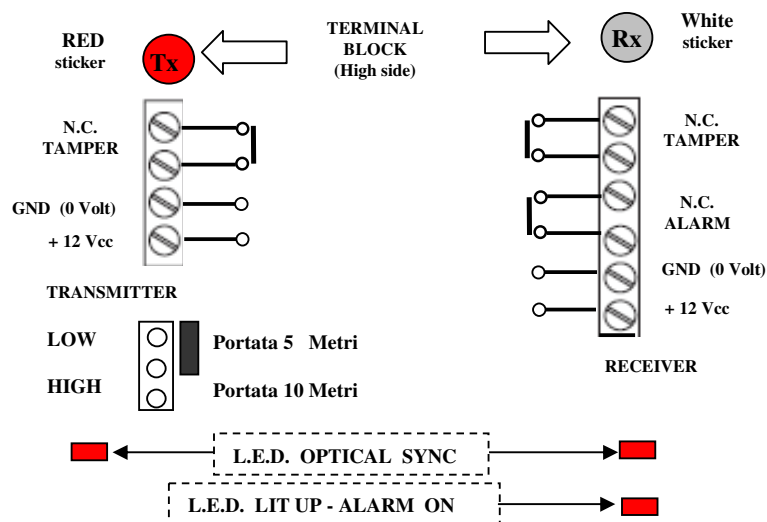


Ordering codes	Description	(Nr. of Beams – Height Barrier)
WSA TOP 05 [B]	2 or (4) direct (crossed)	Rays barrier H= 0,5 Metres
WSA TOP 10 [B]	4 or (10) direct (crossed)	Rays barrier H= 1,0 Metres
WSA TOP 15 [B]	6 or (16) direct (crossed)	Rays barrier H= 1,5 Metres
WSA TOP 20 [B]	8 or (22) direct (crossed)	Rays barrier H= 2,0 Metres
WSA TOP 25 [B]	8 or (22) direct (crossed)	Rays barrier H= 2,5 Metres
WSA TOP 30 [B]	8 or (22) direct (crossed)	Rays barrier H= 3,0 Metres

N.B.: Add **B** to code for completely **WHITE** version of the Barrier

Wiring to WSA TOP



USER GUIDE

WSA TOP 05 ... 30 [B]

- 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 Doors and Windows
- ACCESS Control



OPTEA s.r.l.

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General Description.

The WSA TOP 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)

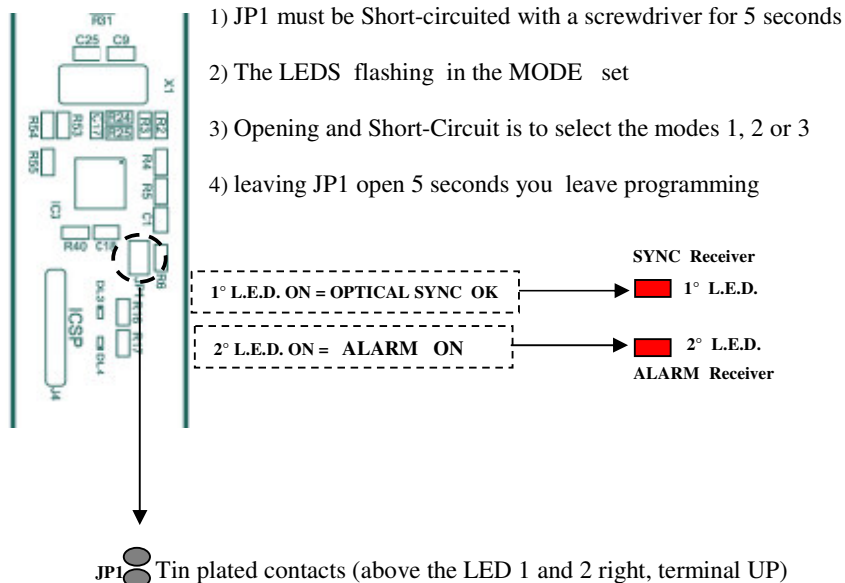
PRE-Operation mode set on the receiver

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 Programming (RECEIVER side)



Technical Features WSA TOP

OPTICAL range Min - Max : 1 - 10 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 ≥ 2 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 44

Range adjustment

Optical distance (Meters)	OPTIC of the Barrier	Tx JUMPER [Range]
≤ 3 (≤ 2 White)	Remove Tx side LENSES (*)	LOW position
≤ 5 (≤ 3 White)	Leave all LENSES	LOW position
≥ 5 (≥ 3 White)	Leave all LENSES	High position

(*) = Just pull out LENSES from LEDs



Other Features of WSA TOP

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**