

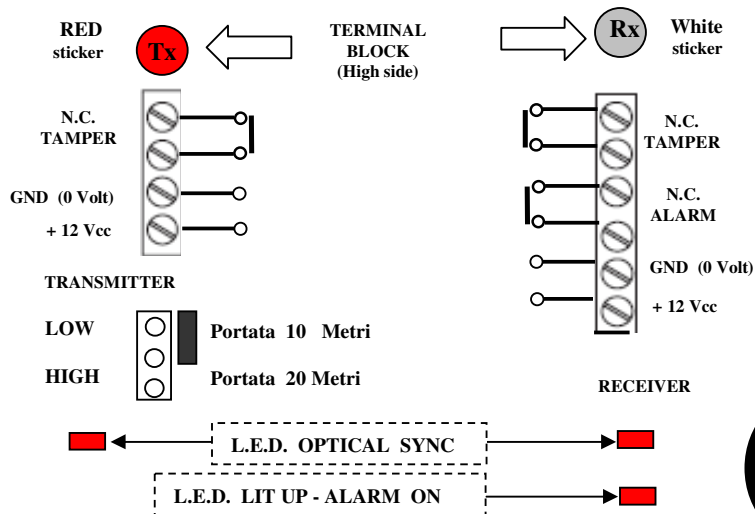
Ordering codes	Description (Nr. of Beams – Height Barrier)
WSA TOP HR 05	2 or (4) direct beams barrier (crossed) H= <b>0,5 Metres</b>
WSA TOP HR 10	4 or (10) direct beams barrier (crossed) H= <b>1,0 Metres</b>
WSA TOP HR 15	6 or (16) direct beams barrier (crossed) H= <b>1,5 Metri</b>
WSA TOP HR 20	8 or (22) direct beams barrier (crossed) H= <b>2,0 Metri</b>

### 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
- Inteligent 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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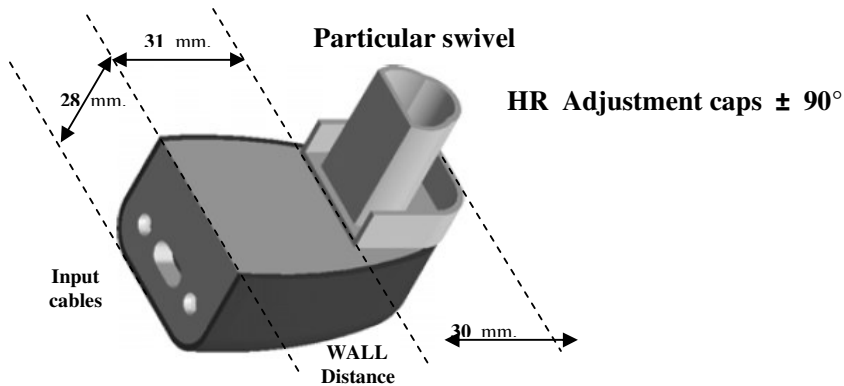
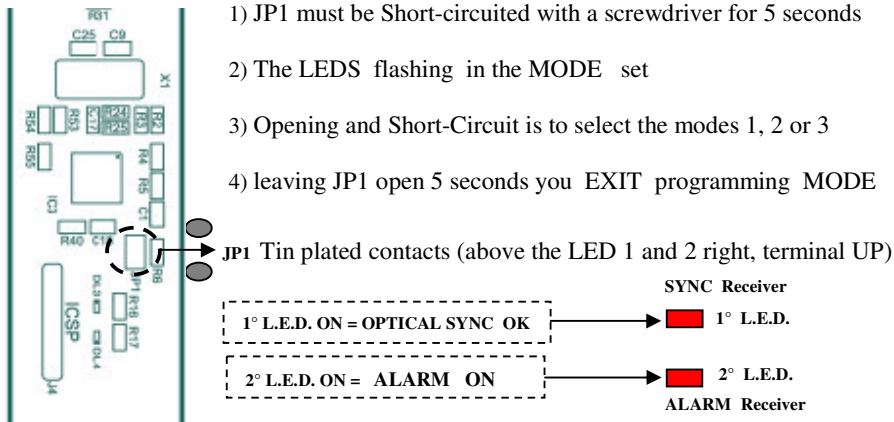
**PRE-Operation** mode set on the receiver

**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)



### Technical Features WSA TOP

<b>OPTICAL range Min - Max</b>	: 1, 0 - 12 Metri w/h Jumper <b>LOW</b> su Tx
<b>OPTICAL range Min - Max</b>	: 4 - 20 Metri w/h Jumper <b>HIGH</b> su Tx
<b>Nr. Of BEAMS for ALARM</b>	: 1 o 2 (ADIACENT)
<b>Nr. Direct / Crossing RAYS</b>	: 2 ... 8 / (4 ..22)
<b>Minimum range for Crossing</b>	≥ 5 Metri
<b>Trigger time</b>	: 120 or 240 mSec.
<b>Turn OFF time</b>	: 1 Second
<b>Supply voltage - current</b>	: 12 Volt (10±16) Vdc - 30 mA (6 Beams)
<b>Outputs BARRIER</b>	: N.C. <b>ALLARME</b> (Rx only) and N.C. <b>TAMPER PROOF</b>
<b>Contact load</b>	: 24 Vcc - 0.5 A
<b>Operatine temperature</b>	: (-15/+60) °C
<b>IP grade</b>	: IP 55

### Other Technical 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**