

Self - Powered active infrared optical Barrier

WSA 8 LITIO RELE

WIRELESS

WINDOW PROTECTION

IP 44

WSA 8 LITIO RELE

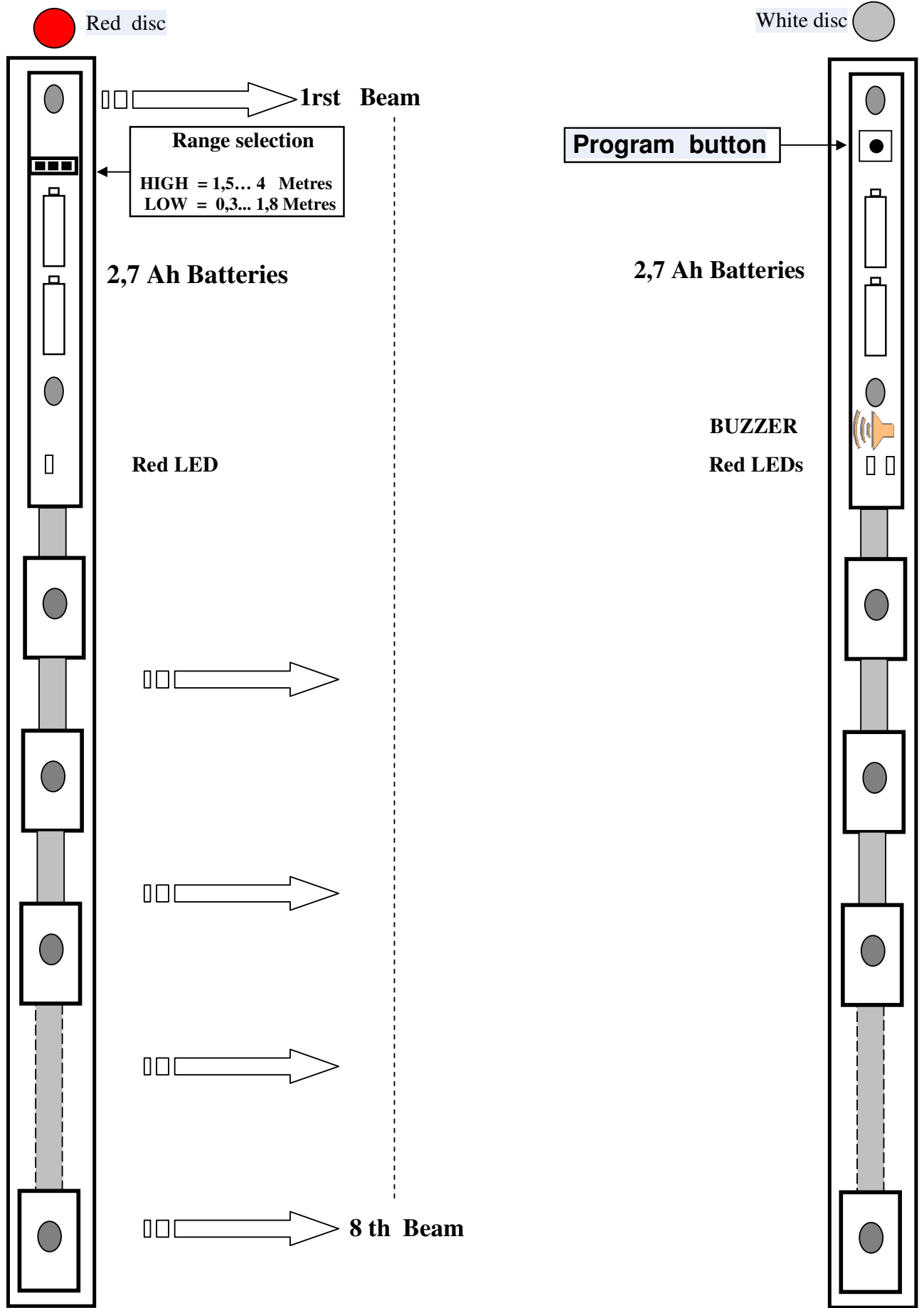
The image shows the front of a product box for 'WSA 8 LITIO RELE'. The top of the box has an orange gradient header with the product name in white. Below this, the word 'WIRELESS' is printed in orange. The main body of the box is light grey and features two vertical black tubes, which are the components of the optical barrier. On the left side, the text 'WINDOW PROTECTION' is written vertically. In the bottom right corner, there is a small inset image showing a window with red horizontal bars, and below it, the text 'IP 44' is enclosed in a rounded square. At the very bottom right, the product name 'WSA 8 LITIO RELE' is repeated above a white rectangular area.

 OPTTEA

BARRIER Composition

TRANSMITTER SIDE

RECEIVER SIDE



General description

The WSA 8 Litio relè Barrier , consists basically of 2 aluminum profiles containing batteries, electronics and up to eighth beams for the realization of an active infrared barrier. The profile of the optical receiver, contains the relays interface for a contacts transmitter. The radio interface should be connected only at the receiving side, the transmitting side transfers optically its information to the receiver. In the receiver side, we have an ALARM and a TAMPER contact (N.C.) . A voltage output of the battery at 3.6 volts. Information of LOW battery in the receiving or transmitting side , it is made by a beep when you break one or more rays of the barrier. The barrier may have from 2 to 8 rays movable along the aluminum profile, which can be easily cutted and made to measure. The 2 main features that distinguish this barrier from similars , are the fast triggering time and the great convenience of installation.

Make the barrier functioning

To make the barrier work it is sufficient, after having it mounted, insert the batteries in both profiles. The transmitter and the receiver, after a self-test of about 5 seconds, stops flashing red LEDs. At this stage, by the jumper onto Transmitting side , we set the working optical range on the transmitter, up to 1.5 meters (LOW) or more (HIGH). The receiving side , it is switched on and starts to work with the first 2 rays of the base . Then proceed as follows:

- 1) Press for about 2 seconds and then release the PROGRAM BUTTON
- 2) The barrier makes an acquisition of the rays and the 2 Red LEDs begin to flash
- 3) At the end of learning (about 5 seconds) only one LED will be on
- 4) Press the PROGRAM BUTTON once again
- 5) The LED turns off and then LIT ON again
- 6) Now press the button you can choose alarm with 1 or 2 rays
- 7) making 2 LED LIT ON (Alarm with 2 rays enabled)
- 8) By Stopping a single beam at time , you get the sound of the beeper
- 9) After about 10 seconds with a long beep, it signals the end of Programming
- 10) At this point the Barrier is operating normally

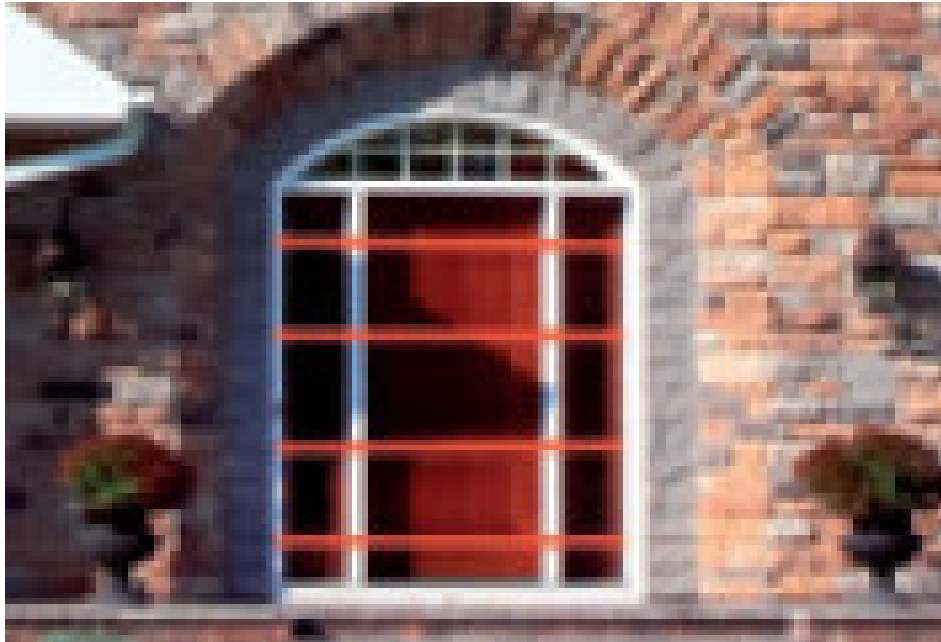
Main technical features

OPTICAL Range	: 0,4 ÷ 4 Metri
Battery life	: 1,3 Anni (15 mounths) with 4 Rays @ 4 Metres
Nr. Of rays usable	: 2 ÷ 8
Nr. Of rays for Alarm	: 1 o 2 “adjacent”
Trigger Time	: < 80 mSec.
Turn ON Time	: ≥ 4 Secondi
Outputs ALARM/TMP	: Dry Relay contact @ 0,5 A – 24 Vac
Supply Power	: 4 Lithium Batteries 3,6 Volt – 2,7 Ah (AA Stile)
Working Temperature	: -25° / +55 °
IP Grade	: IP 44

Ordering codes

Description

WSA 8 LITIO RELE 50	2 Beams - 50 cm. Bars Kit + Relay Interface
WSA 8 LITIO RELE 100	4 Beams - 100 cm. Bars Kit + Relay Interface
WSA 8 LITIO RELE 150	6 Beams - 150 cm. Bars Kit + Relay Interface
WSA 8 LITIO RELE 200	8 Beams - 200 cm. Bars Kit + Relay Interface
WSA 8 LITIO RELE 250	8 Beams - 250 cm. Bars Kit + Relay Interface



Typical application

CE