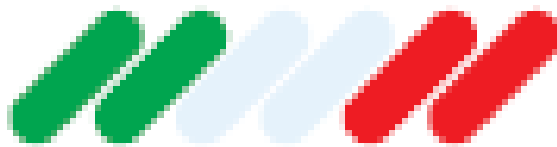
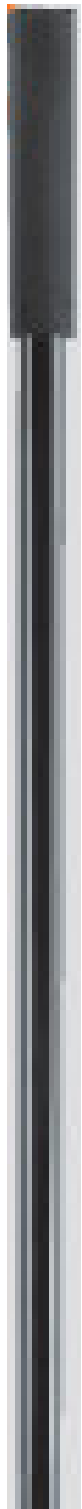


## WSA 8 LITIO RELE 05 - 20

[Self - Powered active infrared optical Barrier]

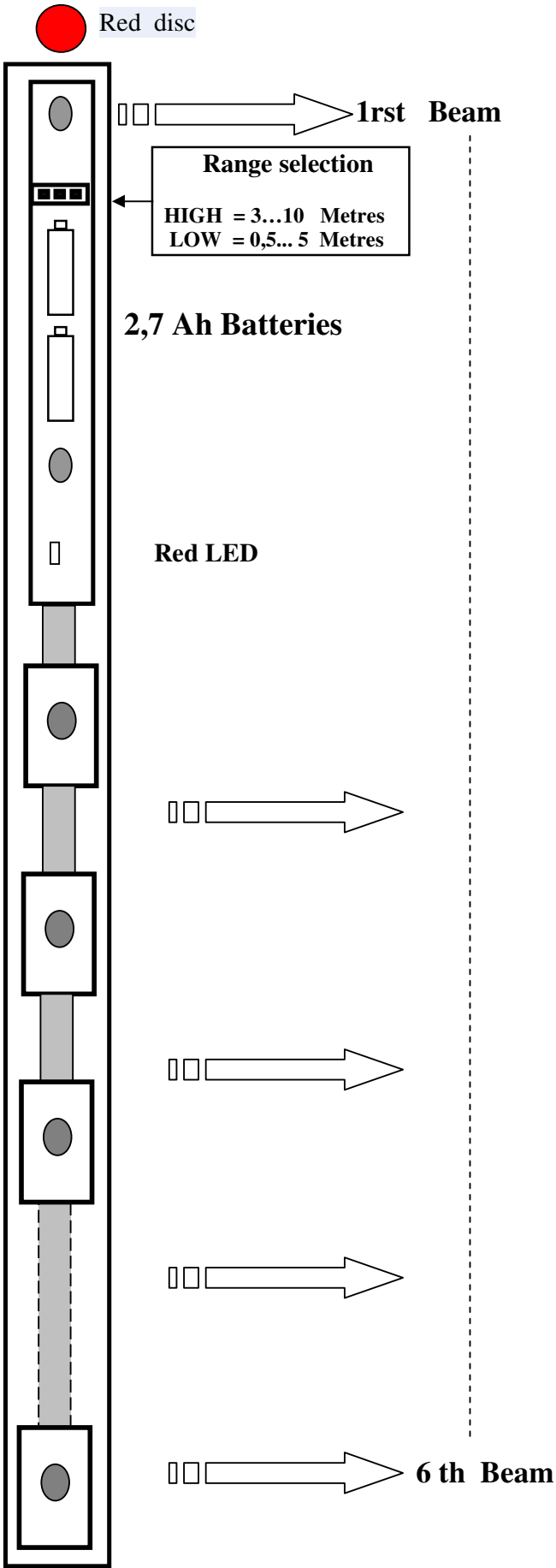
from 2 up to 6 Beams – Range 0,5 up to 10 [5 ] Metres [White]



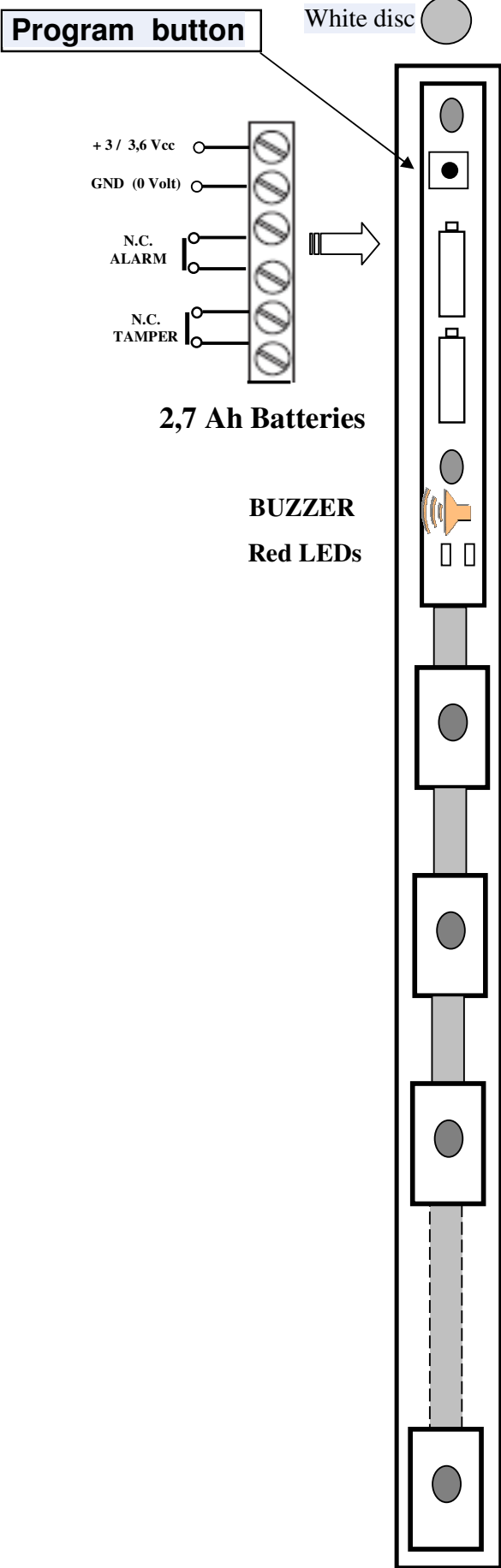
MADE IN ITALY

**BARRIER Composition**

**TRANSMITTER  
SIDE**



**RECEIVER  
SIDE**

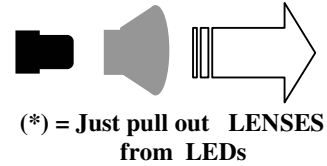


## General description

The WSA 8 Litio relè Barrier , consists basically of 2 aluminium profiles containing all the electronics. The Receiver and the Transmitter are both with double OPTICS . The radio interface should be connected only at the receiving side ,because of the transmitting side transfers optically its information to the receiver. In the receiver side, we have an ALARM and a TAMPER contacts (N.C.) . A voltage output of the battery at 3.6 or 3.0 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 6 rays movable along the aluminum profile, which can be easily cutted and made to measure .

### Barrier settings (Range adjustment)

Optical distance (Metres)	OPTIC of the Barrier	Tx JUMPER [Range]
$\leq 1,5$ ( $\leq 1$ White)	Remove all LENSES (*)	LOW position
$\leq 5$ ( $\leq 3$ White)	Leave all LENSES	LOW position
$\geq 5$ ( $\geq 3$ White)	Leave all LENSES	High position



### Make the barrier functioning

To make the barrier works acts as follow :

- Mount the barriers onto the WALL and fixing them by screws
- Put the JUMPER of the Tx in HIGH or LOW position according to the RANGE
- Connect the batteries to the CIRCUITS
- The transmitter and the receiver, after 5 seconds of self-test , stop flashing LEDs and they are ready to function normally .

You can connect any contacts transmitter , to the RELAY outputs placed in the receiver side . Closing both BARRIERS you will get the *TAMPER PROOF* CLOSED .

If you wish to change the way of operating , i.e. removing or adding a beam or make ALARM with 1 or 2 beam , then proceed as follows:

- Press for about 5 seconds the PROGRAM BUTTON
- The 2 Red LEDs begin to flash and the barrier makes a self-acquisition
- At the end of learning (about 5 seconds) one or 2 LEDs will lit on
- By pressing the button (Leds toggle) you can choose alarm with 1 or 2 rays by leaving 2 LEDs ON (Alarm with 2 rays enabled) or just 1 for 1 ray for Alarm.
- By covering the rays , you can make a TEST of proper learning (the beeper sounds at each rays interruption)
- After about 10 seconds with a long beep, the barrier signals the end of Procedure
- At this point the Barrier is operating normally

### Main technical features

**OPTICAL Range** : 0,5 ÷ 10 Metri (5 Metres White model)  
**Battery life** : 2 Years with 4 Rays @ 5 Metres  
**Nr. Of rays usable** : 2 ÷ 6  
**Nr. Of rays for Alarm** : 1 o 2 “adjacent”  
**Trigger Time** : 0,5 Seconds  
**Turn ON Time** : 5 Seconds  
**Outputs ALARM/TMP** : Dry Relay contact @ 0,5 A – 24 Vac

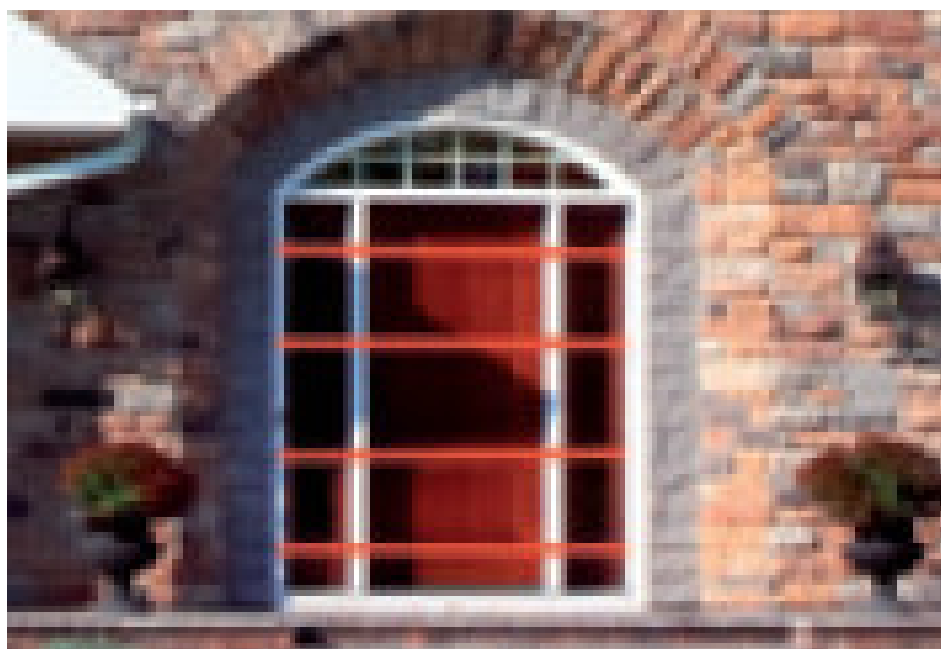
**Supply Power** : 4 Lithium Batteries 3,6 Volt – 2,7 Ah (AA Stile)  
**Working Temperature** : -25° / +55 °  
**IP Grade** : IP 44

*Ordering codes**Description*

WSA 8 LITIO RELE 05	2 Beams - 50 cm. Bars Kit + Relay Interface
WSA 8 LITIO RELE 10	4 Beams - 100 cm. Bars Kit + Relay Interface
WSA 8 LITIO RELE 15	5 Beams - 150 cm. Bars Kit + Relay Interface
WSA 8 LITIO RELE 20	6 Beams - 200 cm. Bars Kit + Relay Interface

OPTION [B] = "All WHITE" model - Max OPTICAL Range 5 Metres

NO OPTION / Default = "BLACK" model - Max OPTICAL Range 10 Metres



*Typical application*



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