

WIRELESS INFRARED PHOTOCELLS



Smart and compact, the Wireless Infra-Red Photocells (WIRC) is the must-have equipment to complete your timing system. Its integrated design will simplify your installation, and ensure professional performances at competitive prices.

The Wireless Infra-Red Photocells (WIRC) detects and transmits impulses to the TBox-Radio timing console or an MLED display using a bidirectional radio protocol. Wired connection to any timing devices can still be performed via a 3.5mm Jack connector located on the back.

Up to 6 radio peripherals can communicate with a TBox-Radio.

**Wireless communication**

To improve robustness and increase reliability, a two-way protocol is used in the communication between Transmitter WIRC and TBox-Radio. In case of frequency jamming or poor radio transmission data will be resent several times.

**Expensive sports timing devices are history**

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**Homologation**

FIS : FDS.001T.20
FEI : 2019001-1B/C

Technical specifications

Frequencies & Power	
Europe	869.4 - 869.65 MHz 100 mW
India	865 - 867 MHz 100 mW
Russia	868.7 - 869.2 MHz 100 mW
North America	920 - 924 MHz 100 mW
Japan (TBox-41)	922 - 927 MHz 20 mW
Radio Impulse precision	1/10'000 sec
Min locking time (between two detections)	200ms for Groups A-D 500ms for Groups E-H
IR detection	Up to 100m
Operating temperature	-20°C to 60°C Charging possible only between 0°C and 45°C
Battery	LiPo 1700mAh
External Power Input	USB compatible (5V +/- 5%) up to 1A
Autonomy @20°C : WIRC_RX WIRC_TX	150 hours radio ON / 250 hours radio OFF 180 hours
Dimension	111x58x27mm
Weight (Tx/Rx)	200g / 200g

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