

**WIRELESS INFRARED PHOTOCELLS  
PERFORMANCE, RELIABILITY AND SIMPLICITY**



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 4 WIRC can communicate with 1 TBox-Radio.



**Wireless communication**

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



**Expensive sports timing devices are history**

FDS-Timing makes constant efforts in the design of cost-effective solutions while keeping as a priority performance reliability and simplicity.



**Compatibility**

The WIRC wired output (open collector for Model 10 and with optocoupler for Model 11) is compatible with most of the timer equipment on the market.

**Technical specification**

Frequencies :	Europe India North America	869.4 - 869.65 MHz 865 - 867 MHz 920 - 924 MHz
Radio Power		100 mW
Radio Impulse precision		1/1000 sec
Min locking time (between two detections)		200ms for Groups A-D 500ms for Groups E-F
IR detection		> 100m
Operating temperature		-20°C to 50°C
Battery		LiPo 1700mAh
External Power Input		USB compatible (5V +/- 10%) up to 1A
Autonomy :	Receiver Emitter	150 hours radio ON / 250 hours radio OFF 180 hours
Dimension		111x60x27mm
Weight		430g

## Contact

FDS-Timing  
Rue des philosophes 63  
1400 Yverson-les-Bains  
Switzerland  
[www.fdstiming.com](http://www.fdstiming.com)  
info@fdstming.com