

SENSOR DOCUMENTATION	05/05/2003	LAP	Optic lap receiver
Notes: Optic lap receiver technical documentation, dimensions and pinout. – Version 1.00			

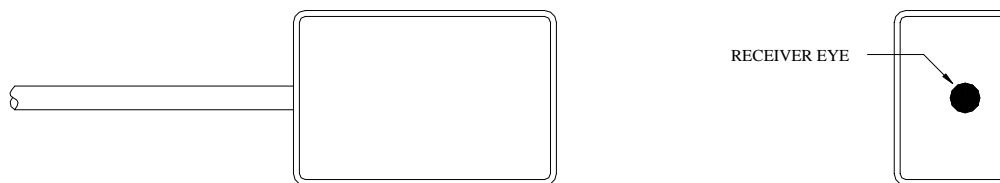


Figure 1: Optic lap receiver (top and front view)

Introduction

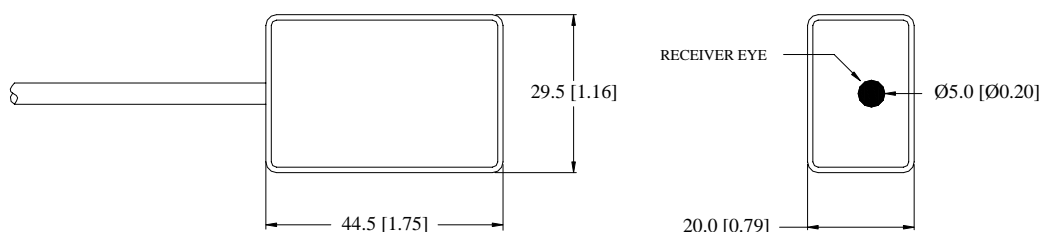
The infrared receiver, mounted on the vehicle, receives the lap signal from the infrared transmitter. It simply needs to be pointed at the side of the track where the transmitter is located and needs line of sight.

The strong transmitter signal guarantees almost no missing laps signals in traffic, as the signal “bounces” off nearly everything.

Installation notes

- The infrared receiver has to be placed on the vehicle: please ensure it to the chassis using plastic wrappers or a large piece of Velcro;
- When fixing the receiver, ensure that the “receiver eye” faces the side of the track where the transmitter has been installed;
- If necessary, make a hole in the front cockpit cover in order to let the receiver “see” the transmitter.

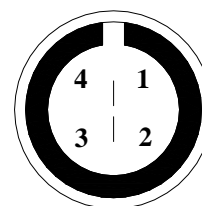
Dimensions



Dimensions in millimetres [inches]

Connector details (Optic codified)

Pin	Function	Pin	Function
1	Coded optic signal	3	V battery
2	GND	4	n.c.



4 pins Binder 719 male connector: solder termination view

Connector details (Optic not codified)

Pin	Function	Pin	Function
1	n.c.	3	V battery
2	GND	4	Not coded optic signal

Specifications

Characteristics	Value
Cable length	900 mm
Dimensions	44.5x29.5x20

The “Optic codified” receiver must be used with Drack and on Formula Renault installations. All the other gauges/loggers use the “Optic not codified” lap receiver”.