AiM Infotech

Kart magnetic lap receiver

Release 1.01
1 Introduction

AiM devices can sample lap and split times on tracks featuring magnetic strips using a proper receiver.

The receiver part number is: X02RXMGC3SMP

2 Installation

- Install the receiver on the kart platform using a piece of Velcro or a-magnetic screws;
- install the receiver parallel to the vehicle speed;
- choose a position where the receiver is not in contact with water, oil or fuel;
- ensure that the sensor is not affected by heat shock.

The image below shows the receiver correctly installed.
3 Dimensions, pinout and technical characteristics

The drawing here below shows the receiver dimensions millimetres [inches].

The receiver is cabled with a 4 pins Binder 712 male connector. Here below it is shown on the left – solder termination view – while on the right is connection table.

<table>
<thead>
<tr>
<th>Binder connector pin</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Magnetic lap signal</td>
</tr>
<tr>
<td>2</td>
<td>GND</td>
</tr>
<tr>
<td>3</td>
<td>n.c.</td>
</tr>
<tr>
<td>4</td>
<td>n.c.</td>
</tr>
</tbody>
</table>
4
Extension cables

The sensor comes with a 900 mm cable and optional standard length extension cables are available: from 0.5m to 3m but specific length extension cables are also available on request. Extension cable part number changes according to their length.

Extension cable for connection with:
- MyChron5 – MyChron5 2T

Part number:
- V02552620 – cable length: 500mm
- V02552630 – cable length: 1000mm
- V02552640 – cable length: 1500mm
- V02552650 – cable length: 2000mm
- V02552660 – cable length: 3000mm