Qeedji

Movement sensor
user manual

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1. Introduction

The goal of this document is to explain how to use the **PIR-STD** movement sensor with a media player supporting a Jack35 GPIO.

2. Compatibility

Media players :
- SMA300
- SMT210
- DMB400

Media players firmware version :
- Gekkota OS V4.11.10 (or above)

Media player GPIO configuration :
- Configuration-by-script V1.11.21

3. Presentation

The **PIR-STD** movement sensor is an infrared sensor.

The sensor output need to be connected on a media player device input having a pull-up resistor like the Jack35 GPIO of the SMA300, the SMT210 and the DMB400.

When one movement is detected, the sensor output level goes to the 0 V level for 100 ms then returns back to the 3.3 V level.

When several consecutive movements are detected, the sensor output oscillate with either the 0 V level, or the 3.3 V level

When there is no movement, the sensor output returns to the 3.3 V level.

The default sensor sensivity is **12m** (max. sensisvity). The sensor sensivity can be decreased to by adding a jumper

- **8m**
- **6m**
- **5m**
- **4m**
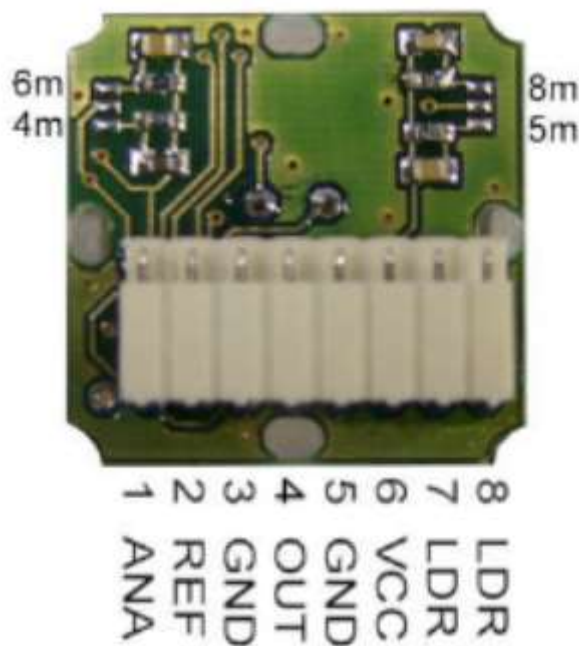
4. Media player configuration

Helped with the documentation **Configuration by script user guide,** configure the GPIO Jack35 of the media player as input with a debouncing filter of 100 ms.