

IR_sensor Class Reference

```
#include <IR_sensor.h>
```

Public Member Functions

IR_sensor (PORT_t *p_port, uint8_t pin)

bool **read** (void)

Protected Attributes

PORT_t* **gp_port**

uint8_t **gpin_bm**

Detailed Description

This file contains code for a IR sensor class that consists of a constructor to setup the micro controller for the IR sensor and a function to read the pin.

Constructor & Destructor Documentation

◆ IR_sensor()

```
IR_sensor::IR_sensor ( PORT_t * p_port,  
                      uint8_t  pin  
                      )
```

This constructor creates a new IR sensor object.

Parameters

p_port The port of the micro controller that the input pin is located on

pin The number of the input pin

Member Function Documentation

◆ read()

```
bool IR_sensor::read ( void )
```

This method reads the output of the IR sensor.

Returns

value A boolean that returns true if IR not triggered and false if IR triggered

The documentation for this class was generated from the following files:

- Source/[IR_sensor.h](#)
- Source/[IR_sensor.cpp](#)