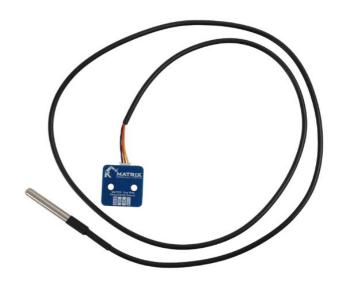
MATRIX One Wire Temperature Sensor MS-015

1.Feature

- · Enhanced Accuracy and Precision.
- · Low Power Consumption.
- · Waterproof.

2. Application

- · Home automation.
- · Easy to Use



3. Introduction

The MATRIX Temperature Sensor (one wire, DS18B20, waterproof) provides 9 to 12-bit (configurable) temperature readings over a 1-Wire interface so that only one wire (and ground) needs to be connected from a central microprocessor. Compatible with 3.0-5.5V systems.

4. Block Diagram



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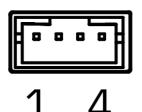
4.Example Code of Block and C++

· After download program into controller, open Serial Monitor to observe.

5. Hardware Spec

· Voltage: 3.3v - 5v

· Temperature range: -55 ~ 125°C



JST PH2.0

Pinout-Digital Out			
NO.	Name	I/O	Description
1	DOUT	I/O	Digital output
2	NC	-	NC
3	5V	0	Supply voltage
4	GND	-	Supply ground

· For More technical info of Sensor, Please visit manufacturer datasheet.