

# AS3935 Lightning Detector

SEN-15441

## Product Overview

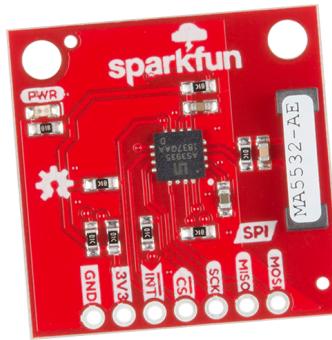
05-16-2022

For the most up-to-date information, visit [www.mouser.com](https://www.mouser.com) or the supplier's website.

## Description

SparkFun AS3935 Lightning Detector is capable of detecting lightning up to 40km away with an accuracy of 1km to the storm front with a sensitive antenna tuned to pick up lightning events in the 500kHz band. This detector adds lightning detection to the next weather station to make sure you are aware of any potential hazardous weather heading your way.

The AS3935 reliably filters false positives by default. This lightning detector can also be configured using the lightning detector library to increase the robustness to noise and false positives. This lightning detector library also gives you access to settings such as storm sensing sensitivity when detecting indoors vs outdoors, or the number of lightning strikes needed to trigger an interrupt.



## Features

- Programmable detection levels
- Distance to storm estimation
- “Disturber” (false event) rejection algorithm
- Indoor and outdoor settings
- SPI interface
- 2.4V to 5.5V supply voltage range
- Lightning sensing 40km range with an accuracy of 1km in 14 steps

## Mouser Part Number

[View Part](#)

To learn more, visit <https://www.mouser.com/new/sparkfun/sparkfun-as3935-lightning-detector/>