

## Infrared Sensor Kit (#28019)

### Using the S.S.I.R Sensor

This documentation shows how to use the Parallax S.S.I.R board with the Parallax Basic Stamp® single-board computer.

### Packing List

The contents of the Infrared Sensor Kit package include:

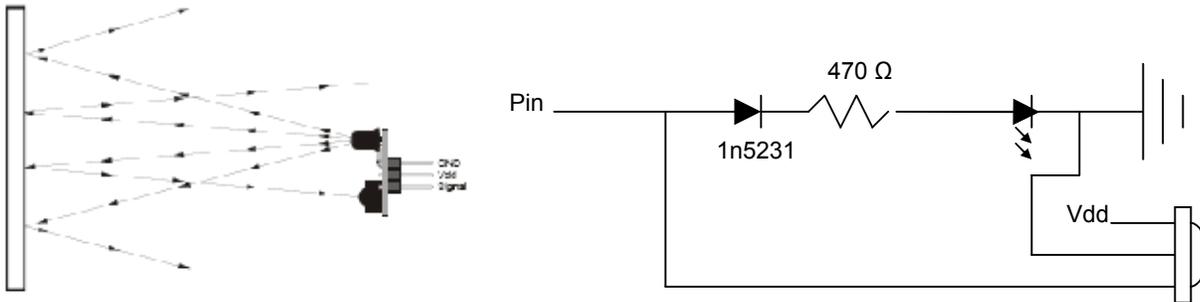
- (1) SSIR Infrared Sensor
- (2) 4-40 Machine Screws, 3/8.
- (2) 4-40 Nut, Zinc Plated
- (1) 90 Degree Mounting Bracket
- (1) 10. Servo Extension Cable

### Description

The S.S.I.R board is an infrared detection unit. This unit incorporates a standard IR LED with a 40 kHz IR receiver. This unit can be configured for basic object detection.

Size: Width = 15.8 mm, Length = 18.2 mm

Power Requirements: + 5vdc, 2.6 mA



### Software Interface

```
{ $STAMP BS2 }
```

```
DIR0 = 1 .Sets pin 0 to input
```

```
Holdbit VAR BIT .Sets up a variable for the echo
```

```
Start:
```

```
FREQOUT 0,1,38500 .sends out signal to IR LED
```

```
Holdbit = in0 .Stores reply
```

```
DEBUG 1,"sensor = ",DEC Holdbit,cr .displays results
```

```
GOTO Start
```