



## Self Contained Sensors

Self contained sensors are devices where the sensor and the controller are built into the same unit.



### [RPS-150](#)

Ranges: 2-40", 5-80"  
Broad beam  
On/off output with analog capability



### [RPS-150A](#)

Ranges: 2-40", 5-80"  
Broad beam  
Analog output



### [RPS-400-6](#)

Range: 2-6"  
Narrow Beam  
Three wire NPN transistor output



### [RPS-400-30 Sensor](#)

Self Contained  
Sensing Range 5-30"  
Narrow Sensing Beam



### [RPS-401,426](#)

Ranges: 4-40", 8-80"  
Narrow beam  
On/off output



### [RPS-401A,426A](#)

Ranges: 4-40", 8-80"  
Narrow beam  
Analog output



**RPS-401A-80P**

Ranges: 8-80"  
Narrow beam  
Analog output



**RPS-409A**

Ranges: 4-40", 6-80" and 10-144"  
Analog output  
Temperature compensation  
Sync/enable option



**RPS-409A-IS**

Ranges: 4-40", 6-80", 12-144", 12-216"  
Analog output  
Intrinsically Safe Design  
UL Listed



**RPS-412A**

High accuracy analog ultrasonic sensor ( $\pm 0.002$ " or 0.05% of range, whichever is greater, at 25°C).



**RPS-450,475**

Ranges: 5-30", 10-72"  
Proximity sensor



**TBT/TBR-600**

Range: 0-40"  
Thru beam  
On/off output  
Adjustable. count rate



**RPS-3000/4000**

Range 2-40 feet  
Analog output  
Temperature compensation

## Intrinsically Safe and Explosion Proof Sensors

Ultrasonic sensors for use in environments classified as hazardous.



### RPS-409A-IS **NEW**

Ranges: 4-40", 6-80", 12-144", 12-216"

Narrow Beam

0 - 10 VDC Analog Output



### RPS-326-X

Ranges: 24-72", 24-240"

Narrow Beam

On/Off Output with analog capability

## RPS-412A HIGH ACCURACY SENSOR

### Features

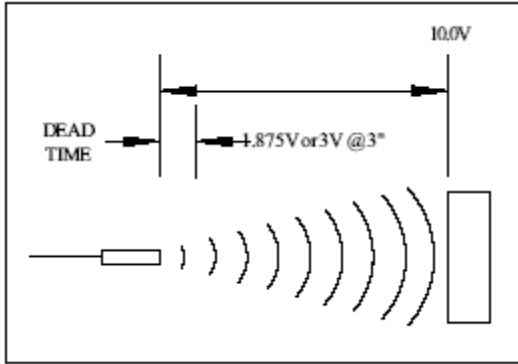
- Input Voltage 20-30 VDC
- Analog Voltage Output
- Short Circuit Protected
- Wide Temperature Range
- Temperature Compensation
- Self Contained Sensor
- Quick Disconnect Connector
- Stainless Steel Housing

The RPS-412A is a high accuracy analog ultrasonic sensor ( $\pm 0.002"$  or 0.05% of range, which ever is greater, at 25°C). The sensor has a built in temperature compensation target, that monitors and compensates for air temperature 50 times per second. The sensor also compensates for changes in relative humidity, changes in barometric pressure, and other factors that influence the speed of sound.



The RPS-412A has a 47mm stainless steel barrel housing. The stainless steel housing is electrically isolated from the sensor electronics. The sensor comes with two jam nuts for mounting.

The RPS-412A has a 0-10V analog output. The analog output is fixed. The RPS-412A-16 is 0.625V per inch. The RPS-412A-10 is 1.000V per inch. For example using the 3-16" range version, a target placed 3 inches from the sensor face will result in a sensor output of 1.875V. A target placed 16 inches from the sensor face will



result in a sensor output of 10.0V.

The RPS-412A is designed to take advantage of today's PLC and computer analog input cards. The analog input card will determine the resolution of the system. The numerical values programmed into the PLC or computer will determine the zero and span.

## Controllers With Remote Sensing Heads

These are devices where the sensor and the controller are separate units and can be located in separate locations.



### [RPS-100](#)

Ranges: 2-14", 5-72", 10-240"

Broad beam sensor

On/off output with analog capability



### [RPS-102](#)

Ranges: 2-14", 5-72", 10-240"

Broad beam sensor

On/off output, dual transducers



### [RPS-300](#)

Ranges: 4-14", 5-36", 8-72"

Narrow beam sensor

on/off output with analog capability



#### [RPS-300T Teflon®](#)

Ranges: 4-14", 5-36"  
Narrow beam sensor  
On/off output with analog capability



#### [RPS-302](#)

Ranges: 4-14", 5-36", 8-72"  
Narrow beam sensor  
On/off output



#### [RPS-322](#)

Range: 8-72"  
Narrow beam sensor  
Dual transducers, on/off output



#### [RPS-325](#)

Range: 8-72"  
Narrow beam sensor  
On/off output with analog capability, sealed transducer



#### [RPS-326](#)

Range: 24-72", 24-240"  
Narrow beam sensor  
Explosion-proof  
On/off output with analog capability



#### **RPS-500**

Analog ranging card  
Zero, span, sample, and hold controls



#### **RPS-2100**

Ranges: 2-14", 5-72", 10-240"  
Broad beam sensor  
On/off output



#### **RPS-2300**

Ranges: 4-14", 5-36", 8-72"  
Narrow beam sensor  
On/off output



#### **RPS-2325**

Range: 8-72"  
Narrow beam sensor  
On/off output  
steel transducer



#### **RPS-8000**

Ranges: 4-12", 5-36", 8-72"  
Multiplexed: 2-8 transducers  
Narrow beams sensor  
On/off output

## **Close Range Sensors**

Detect objects within 2 to 6 inches of the sensor.



#### [RPS-400-30 Sensor](#) **NEW**

Self Contained Sensor  
Sensing Range 5-30"  
Narrow Sensing Beam



#### [RPS-400-6](#) **NEW**

Range: 2-6"  
Narrow Beam Sensor  
Three wire NPN transistor output



#### [RPS-100](#)

Ranges: 2-14", 5-72", 10-240"  
Broad Beam Sensor  
On/Off Output with analog capability



#### [RPS-102](#)

Ranges: 2-14", 5-72", 10-240"  
Broad Beam Sensor  
On/Off Output



#### [RPS-150](#)

Ranges: 2-40", 5-80"  
Broad Beam Sensor  
On/Off Output



#### [RPS-150A](#)

Ranges: 2-40", 5-80"  
Broad Beam Sensor  
0 - 10VDC and 4 - 20 mA Analog Output



#### [RPS-2100](#)

Ranges: 2-14", 5-72", 10-240"  
Broad Beam Sensor  
On/Off Output

## Set Point Controllers

- These are control devices that have adjustable set points.
- You can set the controller with from one to four set points.



### M-1000

An analog controller with four individual set-points and temperature compensation.



### SPC-701

Set point controller One adjustable set point.



### SPC-704

Set Point Controller Four adjustable set points.