

Ultrasonic Ranger

The Ultrasonic Ranger will close a relay when it senses an object within a pre-set distance. The relay will be released after a pre-set delay. Trimpot adjustments determine range and delay.

Options:

Jumper installed - Low Range: 5 - 40 centimeters, 0.2 to 10 seconds release delay

Jumper removed - High Range: 5 - 400 centimeters, 1 to 100 seconds release delay

Range and delay adjustments are pseudo-log scale with highest resolution at the low end of the scale.

Supply voltage (+V) from 7 to 20VAC or 10 to 24VDC.

The Ultrasonic Ranger is presently available in kit form or 2 assembled versions. The sensor can be hard mounted to the PCB or it can be connected through an 8" ribbon cable, as shown.



Connections on J1 from left to right: +V GND NC COM NO

Connections on J2 from left to right: GND Trig Echo +5V (Version 1.0 PCB)

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