

# Tornado Detector

O'CONNOR

The Tornado Detector is a low power Doppler radar that senses tornadoes up to two miles away, day or night. Once detection is made, the device sounds a siren and flashes a strobe light. Simultaneously, data on the tornado is sent via wireless technology to a central location, or to individual receivers in local houses.

The detector gives about the same warning time as a smoke alarm, up to 5 minutes depending on the approach speed of the tornado.

It is not only designed to detect tornadoes that approach while on the ground, but also those that dip down from the sky.

The unit is solar powered with a battery back up, thus it does not depend on electricity from the power company which often goes out during storms.

Mounted on top of a standard light pole, the detector constantly sweeps the horizon just above the tree height, looking for tornadoes.

It may be used in rural areas or small communities as an individual unit or in urban areas either individually or as part of a network where units are spaced at 1 mile intervals for protecting city wide areas.

Electronic filtering inside each unit eliminates false alarms from aircraft and blowing leaves.

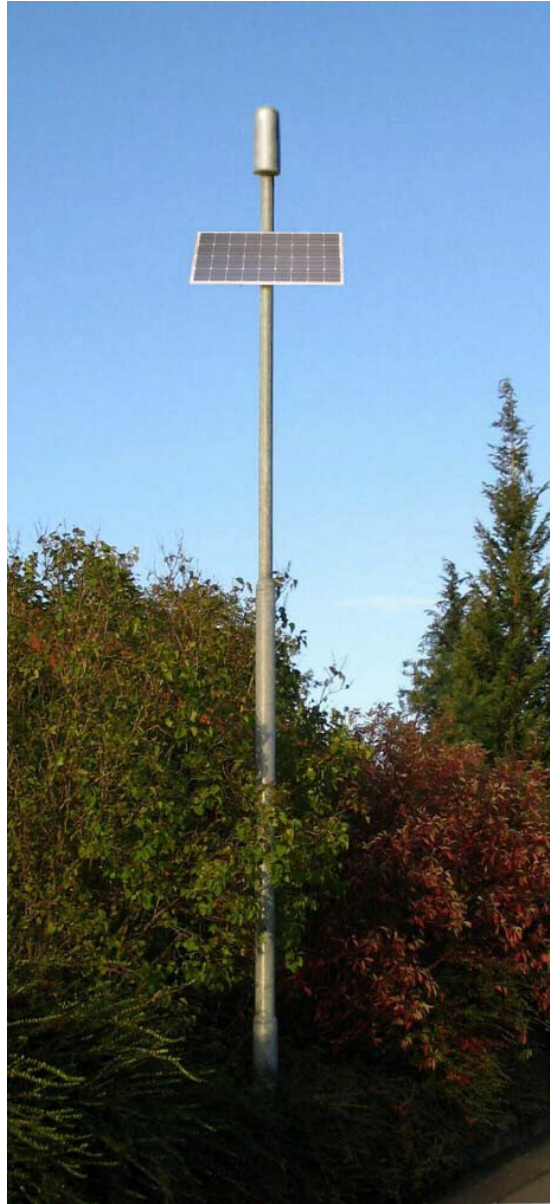
|                 |                                    |
|-----------------|------------------------------------|
| <i>Type</i>     | 24 GHz Doppler Radar               |
| <i>Range</i>    | 2 miles                            |
| <i>Size</i>     | 36 inches tall x 9 inches diameter |
| <i>Mounting</i> | light pole                         |



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