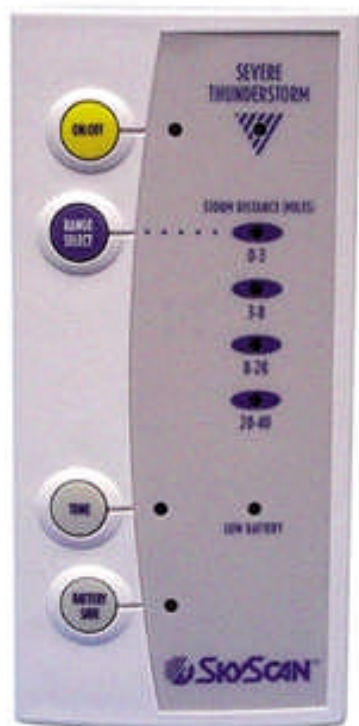


SkyScan P5 Lightning Detector



Features :

Judging the danger of lightning used to be guesswork. Now with the SkyScan, it's just a simple matter of pushing a button. The SkyScan P5 Lightning Detector is completely self-contained and requires no installation. It will pick up electrical activity as far as 40 miles away and track the storm as it approaches ... giving you plenty of time to clear the field, leave the campground, or sail back to shore. Be warned of a storm's approach by an audible tone and by 4 LED's ranged in miles, 0-3, 3-8, 8-20, 20-40. You can even select the range at which you wish the alarm to sound.

An essential safety device for any outdoors lover, sports coach, weather enthusiast, or storm chaser. The P5 is a compact lightning detector that is very reliable, yet small and sleek.

This lightning detector is the newest high technology weather monitoring product available anywhere in the world. It is a hand-held instrument with an electronic system to detect the presence of lightning / thunderstorm activity occurring within 40 miles of your location. It uses patented technology (Full digital microprocessor insuring accuracy and reliability) to determine the distance to the detected stroke. The distances are indicated in four ranges: 0-3 miles (0-5 km), 3-8 miles (5-13 km), 8-20 miles (13-32 km) and 20-40 miles (32-64 km).

The instrument detects electromagnetic emissions from individual lightning strokes, and can be detected at long range by use of ad hoc sensors. You are at immediate risk any time there is detected lightning activity within 9 miles of your location.

Since the lightning detector allows you to know the level of activity of the storm, it determines if it is moving towards, away or parallel to your position. Each time it detects a lightning stroke, it emits an audible warning tone (if this feature has been turned on by the user) and lights the Range Indicator column. The full column stays lit for approximately 3 seconds. This feature allows you to see the distance to the last, closest, detected stroke without waiting for the instrument to detect a new stroke.

The basis of SkyScan's new and patented technology is that the unit samples and analyzes selected pairs of frequencies within the electromagnetic spectrum of a lightning stroke. It then applies this information to determine the distance of that lightning stroke. The strength and uniqueness of the SkyScan approach are that it allows a tremendous amount of information to be extracted and analyzed by a relatively simple hardware system. The simplicity of the hardware is made possible by the proprietary software, which performs the analysis of the incoming information. The reliance on software, rather than on hardware, also allows the SkyScan system to be extremely intelligent with regard to eliminating false triggering while displaying several different types of important information to the user.

The unit is accurate to within 1 to 2 miles 97% of the time. One of the most important advantages of using this unit is that the user can detect a thunderstorm as far away as 40 miles. This gives the user approximately 1-1/2 hours warning as the average storm in most parts of the country travels at approximately 25 miles an hour. SkyScan has ranges (20-40, 8-20, 3-8, and 0-3) allowing the user to easily tell if the storm is moving towards, away, or parallel to their location. Each time the SkyScan unit detects a lightning strike within one of the ranges, the unit will display a rising column of lights for three seconds with each stroke. For example, if it detects a strike in the 3-8 mile range, the 20-40, 8-20 and the 3-8 lights would illuminate for three seconds. The 3-8 light would then blink for 60 seconds telling the user where the closest lightning strike had been within the past minute. The unit will continue to monitor the storm so that each time the unit sees a lightning stroke, the lights would continue to illuminate for three seconds. It also incorporates an audible tone that the user can either have "On" or "Off", and if "On", the user can set the range where the tone will sound.

Scientific Sales, Inc. also carries several optional accessories for the lightning detector - an AC adapter, a DC adapter (for plug-in into your vehicle's cigarette lighter), a convenient carrying case, and a mounting bracket for convenient wall mounting.

Power Source - 2 standard 9-volt batteries. Detector will operate approximately 50 continuous hours with full use and approximately 70 continuous hours on battery save mode. AC and DC adapters available.

Dimensions - 6"x3"x1"

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