



Detect Approaching Lightning Strikes!

Nisshin Electric's "Raitan-kun" is a Portable Lightning Detector. It picks up lightning discharges as far as 40-kilometer away, and gives alarms in three levels (beep and LED lamp) based on the lightning strength and distance from the detector.

This will help you to quickly take shelter from potential hazards during outdoor work, construction, mountain climbing, hiking, and other activities.

Manufactured in
JAPAN

Three
Warning
Level

Portable
65g / 2.3oz
(Including battery)

Used For:

- Climbing, Hiking, Camping, Fishing, and other outdoor recreational activities
- Baseball, Soccer, Football, Golf, and other outdoor sports activities
- Fairs, School Events, Concerts, and other outdoor events
- Construction, Excavation, Farming, and other outdoor work

Alarm Levels

Signals approaching lightning strikes by sounds (warning beeps) and visuals (LED alerts):



DETECTED : LED lights up in red and issues a beeping alarm when the device detects a lightning strike

- 1 (Caution) : About 40km (25mi) away (one short beep sounds repeatedly)
- 2 (Warning) : About 20km (12mi) away (two short beeps sound repeatedly)
- 3 (Danger) : About 10km (6mi) away (three short beeps sound repeatedly)

Specifications

- Model : NTD-P01 雷探くん (Raitan-kun)
- Lightning alert distance : Approximately 40km (25mi) radius, depending on ambient conditions and magnitude of lightning discharges.
- Lightning alert indication : Alert Indication: Detection and 3-step alerts (LED) • Alarm sound (beeper)
- Ambient temperature : -10 °C to +40 °C (14 °F to +104 °F), humidity under 85% RH
- Power supply and run time : Two AAA alkaline batteries / approximately 400hours (in standby mode)
- Dimensions(approximate): W: 54.5mm (2.15in) x H: 86mm (3.4in) x D: 15.5mm (0.6in)
- Weight(approximate) : 65g (2.3oz), including battery
- International Protection : IP33 (IEC60529)
- Country of Origin : Japan

This product is intended for lightning strike detection and does not prevent lightning-related accidents. Specifications and other descriptions may change without notice.

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Manufacturer

Contact company:



NISSHIN ELECTRIC CO.,LTD.

Before you realize a lightning strike is approaching, you are suddenly in its midst and it is too late to evacuate!



Lightning strike is targeting you!!!

Each year around the world, 2,000 people are killed by lightning strikes, and many more suffer in the aftermath. In most cases they lost their lives during outdoor leisure activities (climbing, hiking, fishing, marine sports, etc.) and outdoor work (construction, excavation, farming, etc.). If you can detect an approaching lightning strike early and seek adequate shelter, it will minimize your risk of death by electrocution.

The 雷探くん (Raitan-kun) is produced by Nisshin Electric Co., Ltd., which has over seventy years experience in the field of lightning strikes protection/detection. The base model of 雷探くん (Raitan-kun) is a stationary type authorized and used by the Japan Self-Defense Force at their 100+ bases. Using the core specifications and proven functionality of that stationary model, Nisshin Electric Co., Ltd. Designed 雷探くん (Raitan-kun) for consumer use.

【Approach of a Thunderstorm】



Distance	Thunderclap	Risk of Lightning strike
Over 40km(25mi)	No sound	Low, but electrical charges are present
40-20km(25-12mi)	No sound	Considerable possibility of lightning strike
20-10km(12-6mi)	Minimal sound	Stronger possibility of lightning strike: Prepare to evacuate
Under 10km(6mi)	Clear sound	Serious possibility of lightning strike: Evacuate

The speed of thunderclouds is 5-40km (3-25mi)/hour and the radius of thunderclouds is under 10km (6mi). When you hear a thunderclap and attempt to evacuate, you are already within range of a lightning strike. The detection accuracy of 雷探くん (Raitan-kun) is over 80% (lightning detection times/all lightning incidents > 80%).

【Actual size—very small and compact】

