

Manufacturer

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Agency

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Features

Realizing the efficient maintenance by detecting lightning strikes on wind turbines.

A Rogowski coil is used for the current sensor to accurately detect lightning strikes on the wind turbine tower and output of an alarm (contact). In addition, the time of lightning strike, current polarity, peak current value, charge amount value, specific energy and current waveform data are recorded on the SD memory card.

*Please inquire separately about remote data collection.



Complied with JIS C 1400-24

This product is complied with Lightning protection standards (JIS C 1400-24) Lightning detector of a mindmill class 1.

Automatic stop at the time of lightning strike is also possible.

By linking the alarm (contact) with the control device of the wind turbine, it is possible to stop the wind turbine when lightning strikes.

The main body is small and easy to install.

It can be magnetically attached to the inside of a steel tower.





Example of a blade damaged by lightning.

It can be customized to meet customer requirements.

Necessity of lightning wind detector of a windmill

A ministerial ordinance (Ministry of International Trade and Industry Ordinance No. 53 in 1997) was enacted to establish technical standards for wind power generation facilities, and the Ministry of Economy, Trade and Industry enforced the interpretation of technical standards for wind power generation facilities (revised 20170323 Commercial Bureau No. 3).

This product can also be applied as a "measure to protect wind turbines from lightning strikes".