

EA1540

Capacitive Leakage Sensor



The EA1540 Capacitive Leakage Sensor can automatically detect and notify users of any liquid in close proximity with the connected PDU. When any liquid is detected, the EA1540's beeper sounds, and its red LED lights up, calling for immediate attention and response, thereby effectively decreases the risks of damages to both the PDU and powered devices. It is ideal for PDU installation environments such as subway data centers located underground.

Suitable for a wide range of applications, the EA1540 features a compact and anti-interference design, allowing it to avoid external signals from affecting its normal operations while saving valuable space for critical work. Built with corrosion-resistant materials, it is adaptable even to hazardous environments.

The EA1540 is the perfect solution for those who need to ensure PDU's daily operations and prevent any potential risks of device damages in advance.

Features

- Highly reliable – instantaneous liquid detection and alert
- Anti-interference – avoids external signals from affecting its normal operations
- Durable – built with corrosion-resistant material

Specifications

Protection	IP-66
Physical Properties	
Housing	PP
Cable Type	3Φ/3c-2m (22AWG)
Insulation strength	100 MΩ / 500VDC
Dielectric strength	2.5kv per minute
Ripple of power	10«peak to peak
Operating voltage	10 ~ 30VDC
Current Consumption	20 mA max.
Output method	NPN
Output status	NO
Output current	150mA max.
Leakage current	0.1mA max.
Residual voltage	0.1V max.
Protection circuit	Short circuit & polarity reversed
Sensitivity adjuster	270° Trimmer

Diagram

