

# **EA1441**

Inductive Proximity Door Sensor



For the security of your data center, ATEN provides Inductive Proximity Door sensor probes that work in tandem with the Power Distribution Units, which allows the monitoring of a rack mounted enclosure's door access, notifying users when a door has been opened. Various conditions can be monitored with alarms according to customizable minimum/maximum settings.

\* The Sensor is an optional accessory and you can use the ATEN PDU without the door sensors. However, if you want to have complete security management of your data center with the full use of ATEN solutions, a sensor installation is required.

\*\*Support PE7/PE8/PE9 series only

### Features

- The Inductive Proximity Door Sensor allows the monitoring of a rack mounted enclosure's door access notifying users when a door has been opened
- High sensitivity
- · Easy operation

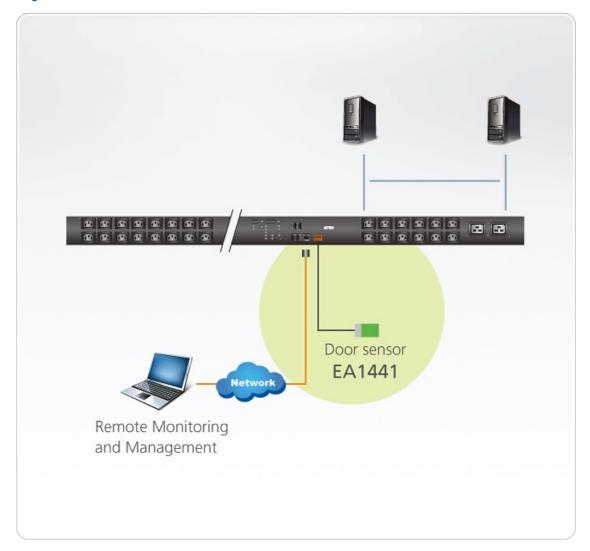


## Specification

Operating voltage         10-30 VDC           Ripple of power         20% peak to peak           Current Consumption         10 mA(Max)           Sensing distance         5.0 mm           Hysteresis         10% of sensing distance max           Response frequency         800 Hz(Min)           Output method         PNP           Output current         150 mA(Max)           Residual voltage         0.1 V(max)           Leakage current         0.8 mA(Max)           Protection circuit         Short circuit & polarity reversed protection           Connection         3c/4.0           Dielectric strength         2.5 kv / 1 minute(Min)           Insulation strength         100 MΩ / 500 VDC           Environmental         -20°C-80°C           Humidity         35%-95% RH           Protection class         IP-67		
Current Consumption         10 mA(Max)           Sensing distance         5.0 mm           Hysteresis         10% of sensing distance max           Response frequency         800 Hz(Min)           Output method         PNP           Output current         150 mA(Max)           Residual voltage         0.1 V(max)           Leakage current         0.8 mA(Max)           Protection circuit         Short circuit & polarity reversed protection           Connection         3c/4.0           Dielectric strength         2.5 kv / 1 minute(Min)           Insulation strength         100 MΩ / 500 VDC           Environmental         -20°C-80°C           Humidity         35%-95% RH	Operating voltage	10-30 VDC
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Protection circuit       Short circuit & polarity reversed protection         Connection       3c/4.0         Dielectric strength       2.5 kv / 1 minute(Min)         Insulation strength       100 MΩ / 500 VDC         Environmental       -20°C-80°C         Humidity       35%-95% RH	Residual voltage	0.1 V(max)
Connection 3c/4.0   Dielectric strength 2.5 kv / 1 minute(Min)   Insulation strength 100 MΩ / 500 VDC   Environmental -20°C-80°C   Humidity 35%-95% RH	Leakage current	0.8 mA(Max)
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Insulation strength 100 MΩ / 500 VDC  Environmental  Operating Temperature -20°C-80°C  Humidity 35%-95% RH	Connection	3c/4.0
Environmental  Operating Temperature  -20°C-80°C  Humidity  35%-95% RH	Dielectric strength	2.5 kv / 1 minute(Min)
Operating Temperature -20°C-80°C Humidity 35%-95% RH	Insulation strength	100 MΩ / 500 VDC
Humidity 35%-95% RH	Environmental	
	Operating Temperature	-20°C-80°C
Protection class IP-67	Humidity	35%-95% RH
	Protection class	IP-67



#### Diagram



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