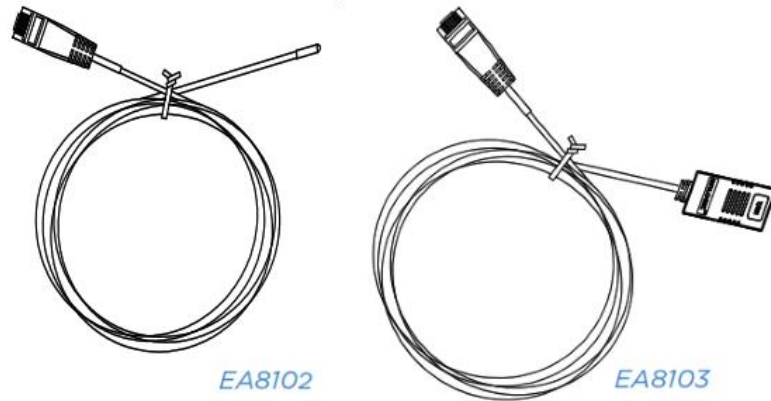# Temperature & Humidity Sensor (EA8102/3)

Temperature and humidity sensors are designed to add comprehensive environmental monitoring to any iPDU. Enlogic's EA810* temperature and humidity sensors are designed to add comprehensive environmental monitoring of temperature and/or humidity to any Enlogic ES Series PDU, APC AP8000® Series PDU, or APC Netbotz® device.

EA8102   EA8103

Note: The Temperature and humidity Sensors are only designed to connect to an iPDU. Connecting it to another device may result in damage.
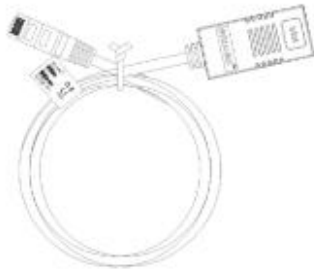
Specification

	Env Temp Sensor (EA8102)	Env Temp, Humidity Sensor (EA8103)
Electrical		
Operational voltage	5V DC	5V DC
Accuracy	±2°C	±2°C
		±3% RH at 5-50°C 10~90RH
Measuring Range	0°C ~+55°C	0°C ~+55°C, 10~90RH
Wire Type	CAT.5E Patch Cable, UTP	
Physical		
Length	4 m	4 m
Environmental		
Maximum elevation, above MSL *(Operating/Storage)*	0-10000 feet (0-3048m)/ 0-50000 feet (0-15240m)	0-10000 feet (0-3048m)/ 0-50000 feet (0-15240m)
Temperature *(Operating/Storage)*	0°C~+55°C (32~131°F)/ 20°C~+ 65°C (-4~149°F)	0°C~+55°C (32~131°F)/ 20°C~+ 65°C (-4~149°F)
Humidity *(Operating/Storage)*	0 - 95%RH, non-condensing	0 - 95%RH, non-condensing
Compliance		
Environmental Verification	ROHS, WEEE	

Sensor Inventory

Sensor Assembly
which includes:
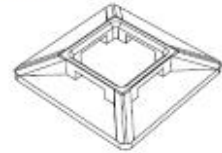- Temperature and/or humidity sensor box
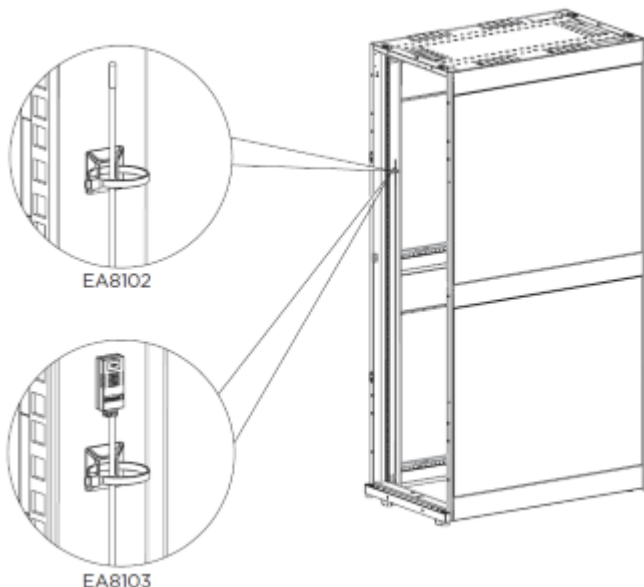- RJ45 cable (4m in length)

Cable ties
(quantity: 5)

Adhesive Backed Mount
(quantity: 5)

Installation Instructions

1.   Secure the sensor box to the rack door using the magnetic feature of the sensor box.

2.   To secure the sensor cable, attach an adhesive mount along the path of the sensor cable. Thread a cable tie through the adhesive mount and around the sensor cable tightly. Repeat until the sensor cable is secure.

EA8102

EA8103

3.   Route and secure the RJ45 cable along the path to the PDU using cable ties.

4.   Plug the sensor cable into the Sensor port on the PDU.

   * Product Characteristics subject to change without prior notice