

Cascade Temp & Humidity Sensors



Z-TH02



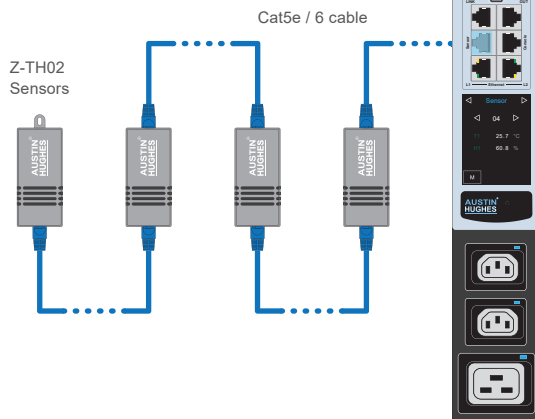
Benefits

- Easy Deployment : Plug & Play with InfraPower iPDU
- Daisy-chainable : Up to 4 sensors with CAT5/6 cables
- High Accuracy : $\pm 0.2^{\circ}\text{C}$ for temperature ; $\pm 2\%$ for relative humidity
- Uptime Assurance : Prevent potential hot spots in your IT racks
- Magnetic base for easy positioning within the rack
- Field Replaceable : Minimize operation downtime & labour cost
- 2-in-1 temperature & humidity sensor

Connection

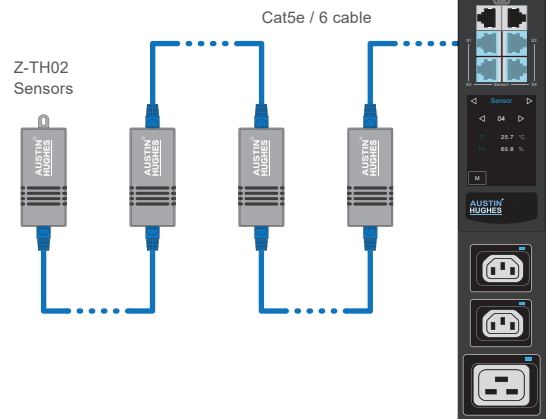
Z-series IP iPDU

- 4 x sensor (max.) in daisy chain*
- 1 x sensor port in Z meter
- 4 x sensor (max.) for 1 x Z iPDU



M-series Serial iPDU

- 4 x sensor (max.) in daisy chain*
- 4 x sensor port in M meter
- 16 x sensor (max.) for 1 x M iPDU



* Max. distance in daisy chain group : Up to 20m

Temperature Sensitivity

| | |
|---------------|--|
| Range | 0 to 80°C (32 to 176°F) |
| Accuracy | $\pm 0.2^{\circ}\text{C}$ typical ($\pm 0.36^{\circ}\text{F}$) |
| Resolution | 0.1°C (0.2°F) |
| Response Time | 5 to 30 sec |

Relative Humidity Sensitivity

| | |
|---------------|----------------------------|
| Range | 0 to 100% R.H |
| Accuracy | $\pm 2\%$ R.H / 20% to 80% |
| Resolution | 0.1% R.H. |
| Response Time | 8 sec |

Compatibility

| | |
|---------------|---|
| InfraPower | Z-series IP iPDU / M-series Serial iPDU |
| InfraSolution | InfraSolution Z-3000 / Z-3001 |

Power Requirement

| | |
|---------------------|------------------------------|
| Voltage | 5VDC, powered by sensor port |
| Current consumption | 30mA |
| Power consumption | 0.15 Watt |

Housing

| | |
|-----------------|---|
| Chassis & Cover | Plastic |
| Color | Gray |
| Installation | Magnetic base for unrestricted installation |

Environment

| | |
|-----------|------------------------|
| Operating | 0 to 80°C Degree |
| Storage | -5 to 80°C Degree |
| Humidity | 0~100%, non-condensing |

Physical

| | |
|---------------------|--------------------|
| Dimensions (unit) | 75L x 33W x 18H mm |
| Weight (unit) | 90 g |

Compliance

| | |
|-------------------|---------------|
| Safety Regulatory | FCC & CE |
| Environmental | RoHS3 & REACH |