



### Description

The Model T9032NS Ambient Noise Sensor Collector is a unit designed to interface with up to 32 IED 540S Ambient Sensors. This device is designed to mount in a 19-inch equipment rack/cabinet, taking up only 1 rack unit (RU), or 1.75" of vertical space. It is a low power device which utilizes natural cooling. No additional vertical space is required in the rack for cooling. The mainframe has removable rack mounting ears, which may alternately be placed near the bottom of the mainframe for ease in mounting this unit on a wall, such as in a telephone closet, or on the back for rear rail mounting reinforcement.

The collector has connections for up to 32 IED 540S Ambient Sensors. It supplies the 27 Volts of DC power required by the sensors. The collector samples the readings from all sensors several times each second and sends the readings to a Titan Series mainframe to perform the Ambient Analysis calculations and adjusts the output levels accordingly. The T9032NS collector links to the Titan Series mainframe through an Ethernet connection.

The standard method of powering the collectors is through Power over Ethernet (PoE) from an IEEE 802.3af compatible Ethernet switch. They can also be powered using a Mid-Span power supply or an external 48 VDC local power supply, both purchased separately.

### Specifications

#### Electrical, Analog

Power Supply	
Supply Voltage.....	48 VDC
Power	
No sensors connected .....	7W
32 sensors connected .....	10W

#### Connectors

540S Sensors (32) .....	3-pin Phoenix, 3.81mm spacing
Ethernet.....	Modular 8 (RJ-45)
Auxiliary (48V) Power.....	3-pin Phoenix, 3.81mm spacing
CAN bus (2) .....	6-pin Phoenix, 3.81mm spacing

#### Controls and Indicators

Ethernet connection and data LEDs .....	2
Status LEDs .....	3 (Power, System, Fault)

#### Mechanical

Size, overall	
Width, with ears .....	(48.3 cm) 19"
Height.....	(4.45 cm) 1.75"
Depth .....	(43.2 cm) 17"
Mounting Depth (rack depth) .....	(44.2 cm) 17.4"
Weight .....	(3.2 kg) 7 lb.
Mounting Ear Location Options.....	3 (front, rear, bottom)

#### Environmental

Operating Temperature Range .....	(+32 °F to +122 °F) 0 °C to +50 °C
Storage Temperature Range .....	(-40 °F to +158 °F) -40 °C to +70 °C

#### Optional Accessories

PS012.....	48VDC power supply, 36W, 110/220 VAC
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