

# **OVERVIEW**

Upgradeable Switched Unit Level
Monitored rPDUs provide reliable power
distribution to critical IT equipment
while delivering individual outlet level
control and a comprehensive view of
input power usage via remote network
access. Includes environmental
monitoring capabilities to obtain realtime environmental metrics. Upgrade the
hot-swappable monitoring device on
select units to leverage new
technologies and accommodate
changing business needs.

### **Benefits**

- Remotely reboot outlets to power cycle unresponsive IT equipment or increase runtime of critical equipment upon power failure with outlet-level control.
- Reliable power distribution with local and remote power monitoring options offer quick access to critical power usage information to evaluate energy usage trends and maximize uptime.
- Environmental monitoring capabilities with the addition of optional environmental sensors ensure users have critical infrastructure data at their fingertips to prevent climate-related equipment failure and system downtime.
- Fault-Tolerant Daisy Chaining with RSTP simplifies intelligent rPDU connectivity and ensures data is reported even when a break in the network chain occurs. Supports up to 40 rPDUs.
- Daisy-chain up to 50 devices on a single IP address and reduce

# Part #: VP5N30AR

Model Number: MNS5MGW1-36CF18-3TL15A0A10-S-A

Category: Switched

Sub Category: Unit Level Monitoring

Power Configuration: 30A, 208V DELTA, 8.6kW Physical Configuration: 72in / 1829mm, Vertical

**Product Summary:** 

rPDU, Switched Unit Level Monitoring EC, 30A, 208V Delta, 8.6kW, Vertical, (36) Combination C13/C19, 10ft / 3m power cord with L15-30P, Black Powder Coat.

**Monitoring:** 

Input power monitoring with Outlet switching. Circuit/Breaker current monitoring. Environmental monitoring via optional remote sensors. Daisy chain Ethernet connectivity. Local high visibility display.

## Plug Form:

#### Receptacle:





L15-30P

Combination C13/C19 (Quantity: 36)

### **Chassis Color Options:**



To discuss color options, contact your local sales representative.

# **Product Specification and Options**

#### **System Features**

deployment time with selfconfiguration of downstream devices.

current monitoring Environmental monitoring via aptional remote sensors. Daily chain Ethernet connectivity. Local high visibility display.  Input Monitoring  Total Unit Monitoring (AVI), W, V, A. P.P.  Phase (AB, BC, O) Monitoring (Wh), W, VA, PF, V, A) Line (A, B, C) Monitoring (Wh), W, VA, PF, V, A) Line (A, B, C) Monitoring (Wh), W, VA, PF, V, A) Line (A, B, C) Monitoring (AVI)  Power Massurements Compliant with ANSI C121 and IEC 62053- 21 at 1% Accuracy Class Requirements  Circuit Monitoring  Circuit / Breaker Monitoring (A)  Circuit/Breaker Current Measurements Independently Tested and Verified at 1% Accuracy  Remote Power Management  Individual Outlet Switching with Optional User Defined Time pelays and Sequential Power-up  Quantity Of Inputs  1  Voltage  200-240V Delta  Current  30A x 3 Phase DELTA  VA per Input (Load Capacity)  8.6kW (208V)  Frequency  80/60Hz  Over Current Protection  30 20A Double Pole Magnetic Breakers (10kAIC Rated)  Breaker/Switch Combination  LCD Touchscreen Display / Auto Oriented  Yes  Indicators - LED(A)  86  Breaker/Switch Combination  LCD Touchscreen Display / Auto Oriented  Yes  Indicators - LED(A)  87  NEMA L15-30P Twistlock  Alternating Phase/Circuits  Yes  Receptacle/Socket Type #1  Combination C13/C19  - Quantity on Face  88  Receptacle/Socket Type #1  Combination C13/C19  - Quantity on Face  88  Receptacle/Socket Type #1  Combination C13/C19  - Quantity on Face  88  Receptacle/Socket Type #1  Combination C13/C19  - Quantity on Face  88  Receptacle/Socket Type #1  Combination C13/C19  - Quantity on Face  88  Receptacle/Socket Type #1  Combination C13/C19  - Quantity on Face  88  Receptacle/Socket Type #1  Combination C13/C19  - Quantity on Face  88  Receptacle/Socket Type #1  Combination C13/C19  - Quantity on Face  88  Receptacle/Socket Type #1  Combination C13/C19  - Quantity on Face  88  Receptacle/Socket Type #1  Combination C13/C19  - Quantity on Face  88  Receptacle/Socket Type #1  Combination C13/C19  - Quantity on Face  88  C1/C1/C1/C1/C1/C1/C1/C1/C1/C1/C1/C1/C1/		
Phase (AB, BC, CA) Monitoring (KWh, W, VA, PF, V, A) Line (A, B, C) Monitoring (KWh, W, VA, PF, V, A) Line (A, B, C) Monitoring (KWh, W, VA, PF, V, A) Line (A, B, C) Monitoring (A)  Circuit Monitoring  Circuit Breaker Current Measurements Independently Tested and Verified at T% Accuracy  Remote Power Management  Individual Outlet Switching with Optional User Defined Time Delays and Sequential Power-up  Quantity Of Inputs  1  Voltage  200-240V Delta  Current  30 A 3 Phase DELTA  VA per Input (Load Capacity)  8.6kW (208V)  Frequency  50/50Hz  Over Current Protection  33 20A Double Pole Magnetic Breakers (10kAIC Rated)  Switch  Breaker/Switch Combination  LCD Touchscreen Display / Auto Oriented Yes  Indicators - LED(s)  36  Power Cable Length  10/4  Power Cable Length  10/4  Power Cable Length  Over Entry Location  8ottom Front  Plug Type  NEMA L15-30P Twistlock  Alternating Phase/Circuits  Yes  Receptacle/Socket Type #1  Quantity on Face  38  Quantity on Face  36  Quantity on Face  36  Quantity on Face  36  Quantity on Face  37  Quantity on Face  38  Quantity on Face  39  Quantity on Face  30  Quantity on Face  31  Quantity on Face  32  Quantity on Face  34  Quantity on Face  35  Quantity on Face  36  Quantity on Face  37  Quantity on Face  38  Quantity on Face  39  Quantity on Face  30  Quantity on Face  40  Quantity on F	Monitoring	current monitoring. Environmental monitoring via optional remote sensors. Daisy chain Ethernet connectivity. Local high
Circuit Monitoring  Circuit / Breaker Monitoring (A)  Circuit/Paraker Current Measurements Independently Tested and Verified at 1% Accuracy  Remote Power Management  Individual Outlet Switching with Optional User Defined Time Delays and Sequential Power-up  Quantity Of Inputs  1  Voltage  200-240V Delta  Current  30A x3 Phase DELTA  VA per Input (Load Capacity)  8.6kW (208V)  Frequency  50/60Hz  Over Current Protection  (3) 20A Double Pole Magnetic Breakers (10kAIC Rated)  Switch  LoD Touchscreen Display / Auto Oriented  Yes  Indicators - LED(s)  36  Power Cable Length  10ft / 3m  Power Entry Location  Bottom Front  Plug Type  NEMA L15-30P Twistlock  Alternating Phase/Circuits  Yes  Receptacle/Socket Type #1  Combination C13/C19  - Quantity on Face  36  - Quantity on Face  37  - Circuit Color ID  3 Circuit = Orange, Green, Blue  Banks of 6  - Voltage per Receptacle/Socket  208V  Network Connection  Dual 10/100/1000Mbps Ethernet  Protocols Supported  DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SMH, SMTP, SMMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCP  Data Access Formats  CSV datalog, JSON API, JSON datalog  USB Support  Yes  Birla Remote Sensor RJ Connection Jacks  1 (Supports up to 16 Sensors)  Maximum Operating Temperature  60C / 140F	Input Monitoring	Phase (AB, BC, CA) Monitoring (kWh, W, VA, PF, V, A)
Circuit/Breaker Current Measurements Independently Tested and Verified at T% Accuracy  Remote Power Management  Individual Outlet Switching with Optional User Defined Time Delays and Sequential Power-up  Quantity Of Inputs  1  Voltage  200-240V Delta  Current  30.4 x 3 Phase DELTA  XA per Input (Load Capacity)  8.6kW (208V)  Frequency  50/60Hz  Over Current Protection  (3) 20A Double Pole Magnetic Breakers (10kAIC Rated)  Switch  Breaker/Switch Combination  LCD Touchscreen Display / Auto Oriented  Yes  Indicators - LED(s)  36  Power Cable Wire Gauge  10/4  Power Cable Length  10ft / 3m  Power Entry Location  Bottom Front  Plug Type  NEMA L15-30P Twistlock  Alternating Phase/Circuits  Yes  Receptacle/Socket Type #1  Combination C13/C19  36  - Quantity on Face  36  - Quantity on Face  36  - Quantity per Breaker and Phase Combination  12  - Circuit Color ID  3 Circuit = Orange, Green, Blue  Banks of 6  - Voltage per Receptacle/Socket  208V  Network Connection  Dual 10/100/1000Mbps Ethernet  Protocols Supported  DHCP, HTTP, HTTPS, IPV4, IPV6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNHP (v1/v2c/v3), Syslog, TACACS+, Modbus TCP  Data Access Formats  CSV datalog, JSON API, JSON datalog  USB Support  Yes  Breaket Sensor RJ Connection ARS232 via RJ45  Remote Sensor RJ Connection Jacks  1 (Supports up to 16 Sensors)  Maximum Operating Temperature  60C / 140F		
Remote Power Management Individual Outlet Switching with Optional User Defined Time Delays and Sequential Power-up  Quantity Of Inputs 1  Voltage 200-240V Delta  Current 30A x 3 Phase DELTA  VA per Input (Load Capacity) 8.6kW (208V)  Frequency 50/60Hz  Over Current Protection (3) 20A Double Pole Magnetic Breakers (10kAIC Rated)  Switch Breaker/Switch Combination  LCD Touchscreen Display / Auto Oriented Yes  Indicators - LED(s) 36  Power Cable Wire Gauge 10/4  Power Cable Length 10ft / 3m  Power Entry Location Bottom Front  Plug Type NEMA L15-30P Twistlock  Alternating Phase/Circuits Yes  Receptacle/Socket Type #1 Combination C13/C19  - Quantity per Breaker and Phase Combination 12  - Circuit Color ID 3 Circuit = Orange, Green, Blue  - Voltage per Receptacle/Socket  208V  Network Connection Dual 10/100/1000Mbps Ethernet  Protocols Supported 20BC, Harry SH, JSON API, JSON datalog  USB Support Yes  Barks of 6  CSV datalog, JSON API, JSON datalog  USB Support Yes  Bereated Connection RS223 via RJ45  Remote Sensor RJ Connection Jacks 1 (Supports up to 16 Sensors)  Maximum Operating Temperature 60C/140F	Circuit Monitoring	Circuit / Breaker Monitoring (A)
Delays and Sequential Power-up  Quantity Of Inputs  1  Voltage  200-240V Delta  Current  30A x 3 Phase DELTA  VA per Input (Load Capacity)  8.6kW (208V)  Frequency  50/60Hz  Over Current Protection  (3) 20A Double Pole Magnetic Breakers (10kAIC Rated)  Switch  Breaker/Switch Combination  LCD Touchscreen Display / Auto Oriented  Yes  Indicators - LED(a)  36  Power Cable Wire Gauge  10/4  Power Cable Length  10ft / 3m  Power Entry Location  Bottom Front  Plug Type  NEMA L15-30P Twistlock  Alternating Phase/Circuits  Yes  Receptacle/Socket Type #1  Combination C13/C19  - Quantity on Face  36  - Quantity per Breaker and Phase Combination  12  - Circuit Color ID  3 Circuit = Orange, Green, Blue  - Style  Banks of 6  - Voltage per Receptacle/Socket  208V  Network Connection  Dual 10/100/1000Mbps Ethernet  Protocols Supported  DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (V1/v2c/v3), Syslog, TACACS+, Modbus TCP  Data Access Formats  CSV datalog, JSON API, JSON datalog  USB Support  Yes  IP Reset Button  Yes  Remote Sensor RJ Connection Jacks  1 (Supports up to 16 Sensors)  Maximum Operating Temperature  60C / 140F		
Voltage 200-240V Delta  Current 30A x 3 Phase DELTA  8.6kW (208V)  Frequency 50/60Hz  Over Current Protection (3) 20A Double Pole Magnetic Breakers (10kAIC Rated)  Switch Breaker/Switch Combination  LCD Touchscreen Display / Auto Oriented Yes  Indicators - LED(s) 36  Power Cable Wire Gauge 10/4  Power Cable Wire Gauge 10/4  Power Cable Length 20/4  Alternating Phase/Circuits Yes  Receptacle/Socket Type #1 Combination C13/C19  - Quantity on Face 36  - Quantity per Breaker and Phase Combination 12  - Circuit Color ID 3 Circuit = Orange, Green, Blue  Banks of 6  - Voltage per Receptacle/Socket 208V  Network Connection 20 Jul 10/100/1000Mbps Ethernet  Protocols Supported 20 DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (V1/V2c/v3), Syslog, TACACS+, Modbus TCP  Data Access Formats CSV datalog, JSON API, JSON datalog  USB Support Yes  IP Reset Button Yes  Berial Connection RS232 via RJ45  Remote Sensor RJ Connection Jacks 1 (Supports up to 16 Sensors)  Maximum Operating Temperature 60C / 140F	Remote Power Management	
Current 30A x 3 Phase DELTA  VA per Input (Load Capacity) 8.6kW (208V)  Frequency 50/60Hz  Over Current Protection (3) 20A Double Pole Magnetic Breakers (10kAIC Rated)  Switch Breaker/Switch Combination  LCD Touchscreen Display / Auto Oriented Yes  Indicators - LED(s) 36  Power Cable Wire Gauge 10/4  Power Cable Length 10ft / 3m  Power Entry Location Bottom Front  Plug Type NEMA L15-30P Twistlock  Alternating Phase/Circuits Yes  Receptacle/Socket Type #1 Combination C13/C19  - Quantity on Face 36  - Quantity per Breaker and Phase Combination 12  - Circuit Color ID 3 Circuit = Orange, Green, Blue  - Style Banks of 6  - Voltage per Receptacle/Socket 208V  Network Connection Dual 10/100/1000Mbps Ethernet  DHCP, HTTP, HTTPS, IPv4, IPv4, IPv4, IPv4, ILPv4, ILPv4, ILPv4, ILPv4, INV2, IVv3, IVv	Quantity Of Inputs	1
VA per Input (Load Capacity)  8.6kW (208V)  Frequency  50/60Hz  Over Current Protection  (3) 20A Double Pole Magnetic Breakers (10kAIC Rated)  Switch  Breaker/Switch Combination  LCD Touchscreen Display / Auto Oriented  Yes  Indicators - LED(s)  36  Power Cable Wire Gauge  10/4  Power Cable Length  10ft / 3m  Power Entry Location  Bottom Front  Plug Type  NEMA L15-30P Twistlock  Alternating Phase/Circuits  Yes  Receptacle/Socket Type #1  Combination C13/C19  - Quantity on Face  36  - Quantity per Breaker and Phase Combination  12  - Circuit Color ID  3 Circuit = Orange, Green, Blue  Banks of 6  - Voltage per Receptacle/Socket  208V  Network Connection  Dual 10/100/1000Mbps Ethernet  Protocols Supported  DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCP  Data Access Formats  CSV datalog, JSON API, JSON datalog  USB Support  Yes  USB Support  Yes  Hard Reboot Button  Yes  Remote Sensor RJ Connection Jacks  1 (Supports up to 16 Sensors)  Maximum Operating Temperature  60C / 140F	Voltage	200-240V Delta
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Power Cable Wire Gauge  10/4  Power Cable Length  10ft / 3m  Bottom Front  Plug Type  NEMA L15-30P Twistlock  Alternating Phase/Circuits  Receptacle/Socket Type #1  Combination C13/C19  - Quantity on Face  36  - Quantity per Breaker and Phase Combination  12  - Circuit Color ID  3 Circuit = Orange, Green, Blue  - Style  Banks of 6  - Voltage per Receptacle/Socket  208V  Network Connection  Dual 10/100/1000Mbps Ethernet  Protocols Supported  DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCP  Data Access Formats  CSV datalog, JSON API, JSON datalog  USB Support  Yes  IP Reset Button  Yes  Serial Connection  RS232 via RJ45  Remote Sensor RJ Connection Jacks  Maximum Operating Temperature  60C / 140F	LCD Touchscreen Display / Auto Oriented	Yes
Power Cable Length  Power Entry Location  Bottom Front  Plug Type  NEMA L15-30P Twistlock  Alternating Phase/Circuits  Yes  Receptacle/Socket Type #1  Combination C13/C19  - Quantity on Face  - Quantity per Breaker and Phase Combination  12  - Circuit Color ID  3 Circuit = Orange, Green, Blue  - Style  Banks of 6  - Voltage per Receptacle/Socket  208V  Network Connection  Dual 10/100/1000Mbps Ethernet  Protocols Supported  DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCP  Data Access Formats  CSV datalog, JSON API, JSON datalog  USB Support  Yes  IP Reset Button  Yes  Serial Connection  RS232 via RJ45  Remote Sensor RJ Connection Jacks  Maximum Operating Temperature  60C / 140F	Indicators - LED(s)	36
Power Entry Location  Bottom Front  Plug Type  NEMA L15-30P Twistlock  Alternating Phase/Circuits  Yes  Receptacle/Socket Type #1  Combination C13/C19  - Quantity on Face  36  - Quantity per Breaker and Phase Combination  12  - Circuit Color ID  3 Circuit = Orange, Green, Blue  - Style  Banks of 6  - Voltage per Receptacle/Socket  208V  Network Connection  Dual 10/100/1000Mbps Ethernet  Protocols Supported  DHCP, HTTP, HTTPS, IPV4, IPV6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (V1/V2c/V3), Syslog, TACACS+, Modbus TCP  Data Access Formats  CSV datalog, JSON API, JSON datalog  USB Support  Yes  IP Reset Button  Yes  Serial Connection  RS232 via RJ45  Remote Sensor RJ Connection Jacks  Maximum Operating Temperature  60C / 140F	Power Cable Wire Gauge	10/4
Plug Type  NEMA L15-30P Twistlock  Alternating Phase/Circuits  Yes  Receptacle/Socket Type #1  Combination C13/C19  - Quantity on Face  36  - Quantity per Breaker and Phase Combination  12  - Circuit Color ID  3 Circuit = Orange, Green, Blue  - Style  Banks of 6  - Voltage per Receptacle/Socket  208V  Network Connection  Dual 10/100/1000Mbps Ethernet  Protocols Supported  DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCP  Data Access Formats  CSV datalog, JSON API, JSON datalog  USB Support  Yes  IP Reset Button  Yes  Serial Connection  RS232 via RJ45  Remote Sensor RJ Connection Jacks  1 (Supports up to 16 Sensors)  Maximum Operating Temperature  60C / 140F	Power Cable Length	10ft / 3m
Alternating Phase/Circuits  Receptacle/Socket Type #1  Combination C13/C19  Quantity on Face  Quantity per Breaker and Phase Combination  Circuit Color ID  Sicruit = Orange, Green, Blue  Style  Banks of 6  Voltage per Receptacle/Socket  208V  Network Connection  Dual 10/100/1000Mbps Ethernet  Protocols Supported  DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCP  Data Access Formats  CSV datalog, JSON API, JSON datalog  USB Support  Yes  IP Reset Button  Yes  Serial Connection  RS232 via RJ45  Remote Sensor RJ Connection Jacks  I (Supports up to 16 Sensors)  Maximum Operating Temperature  60C / 140F	Power Entry Location	Bottom Front
Receptacle/Socket Type #1  - Quantity on Face  - Quantity per Breaker and Phase Combination  12  - Circuit Color ID  - Style  - Banks of 6  - Voltage per Receptacle/Socket  - Voltage per Receptacle/Socket  - Protocols Supported  DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCP  Data Access Formats  CSV datalog, JSON API, JSON datalog  USB Support  Yes  IP Reset Button  Yes  Serial Connection  RS232 via RJ45  Remote Sensor RJ Connection Jacks  I (Supports up to 16 Sensors)  Maximum Operating Temperature  60C / 140F	Plug Type	NEMA L15-30P Twistlock
- Quantity on Face 36 - Quantity per Breaker and Phase Combination 12 - Circuit Color ID 3 Circuit = Orange, Green, Blue - Style Banks of 6 - Voltage per Receptacle/Socket 208V Network Connection Dual 10/100/1000Mbps Ethernet Protocols Supported DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCP  Data Access Formats CSV datalog, JSON API, JSON datalog USB Support Yes IP Reset Button Yes Hard Reboot Button Yes Serial Connection RS232 via RJ45 Remote Sensor RJ Connection Jacks 1 (Supports up to 16 Sensors) Maximum Operating Temperature 60C / 140F	Alternating Phase/Circuits	Yes
- Quantity per Breaker and Phase Combination  - Circuit Color ID  - Style  - Style  - Banks of 6  - Voltage per Receptacle/Socket  208V  Network Connection  Dual 10/100/1000Mbps Ethernet  Protocols Supported  DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCP  Data Access Formats  CSV datalog, JSON API, JSON datalog  USB Support  Yes  IP Reset Button  Yes  Serial Connection  RS232 via RJ45  Remote Sensor RJ Connection Jacks  1 (Supports up to 16 Sensors)  Maximum Operating Temperature  60C / 140F	Receptacle/Socket Type #1	Combination C13/C19
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- Style Banks of 6  - Voltage per Receptacle/Socket 208V  Network Connection Dual 10/100/1000Mbps Ethernet  Protocols Supported DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCP  Data Access Formats CSV datalog, JSON API, JSON datalog  USB Support Yes  IP Reset Button Yes  Hard Reboot Button Yes  Serial Connection RS232 via RJ45  Remote Sensor RJ Connection Jacks 1 (Supports up to 16 Sensors)  Maximum Operating Temperature 60C / 140F	- Quantity per Breaker and Phase Combination	12
-Voltage per Receptacle/Socket  208V  Network Connection  Dual 10/100/1000Mbps Ethernet  Protocols Supported  DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCP  Data Access Formats  CSV datalog, JSON API, JSON datalog  USB Support  Yes  IP Reset Button  Yes  Serial Connection  RS232 via RJ45  Remote Sensor RJ Connection Jacks  1 (Supports up to 16 Sensors)  Maximum Operating Temperature  60C / 140F	- Circuit Color ID	3 Circuit = Orange, Green, Blue
Network Connection  Dual 10/100/1000Mbps Ethernet  Protocols Supported  DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCP  Data Access Formats  CSV datalog, JSON API, JSON datalog  USB Support  Yes  IP Reset Button  Yes  Hard Reboot Button  Yes  Serial Connection  RS232 via RJ45  Remote Sensor RJ Connection Jacks  1 (Supports up to 16 Sensors)  Maximum Operating Temperature  60C / 140F	- Style	Banks of 6
Protocols Supported  DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCP  Data Access Formats  CSV datalog, JSON API, JSON datalog  USB Support  Yes  IP Reset Button  Yes  Hard Reboot Button  Yes  Serial Connection  RS232 via RJ45  Remote Sensor RJ Connection Jacks  1 (Supports up to 16 Sensors)  Maximum Operating Temperature  60C / 140F	- Voltage per Receptacle/Socket	208V
SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCP  Data Access Formats  CSV datalog, JSON API, JSON datalog  USB Support  Yes  IP Reset Button  Yes  Hard Reboot Button  Yes  Serial Connection  RS232 via RJ45  Remote Sensor RJ Connection Jacks  1 (Supports up to 16 Sensors)  Maximum Operating Temperature  60C / 140F	Network Connection	Dual 10/100/1000Mbps Ethernet
USB Support Yes  IP Reset Button Yes  Hard Reboot Button Yes  Serial Connection RS232 via RJ45  Remote Sensor RJ Connection Jacks 1 (Supports up to 16 Sensors)  Maximum Operating Temperature 60C / 140F	Protocols Supported	
IP Reset Button Yes  Hard Reboot Button Yes  Serial Connection RS232 via RJ45  Remote Sensor RJ Connection Jacks 1 (Supports up to 16 Sensors)  Maximum Operating Temperature 60C / 140F	Data Access Formats	CSV datalog, JSON API, JSON datalog
Hard Reboot Button Yes  Serial Connection RS232 via RJ45  Remote Sensor RJ Connection Jacks 1 (Supports up to 16 Sensors)  Maximum Operating Temperature 60C / 140F	USB Support	Yes
Serial Connection RS232 via RJ45  Remote Sensor RJ Connection Jacks 1 (Supports up to 16 Sensors)  Maximum Operating Temperature 60C / 140F	IP Reset Button	Yes
Remote Sensor RJ Connection Jacks 1 (Supports up to 16 Sensors)  Maximum Operating Temperature 60C / 140F	Hard Reboot Button	Yes
Maximum Operating Temperature 60C / 140F	Serial Connection	RS232 via RJ45
	Remote Sensor RJ Connection Jacks	1 (Supports up to 16 Sensors)
Heavy Steel - Powder Coat Finish Black	Maximum Operating Temperature	60C / 140F
	Heavy Steel - Powder Coat Finish	Black

Configuration	Zero U
7938 Vertical Mounting Bracket Kit	Yes
Toolless Mounting Hardware - Center to Center Spacing	61.25in and 64.75in / 1556mm and 1645mm
Country of Origin	USA, TAA Compliant and Buy American Act COTS Compliant
Product Warranty	5-year limited warranty
Certification/Agency Approvals	UL & c-UL Listed 62368-1
Certification/Agency Approvals	RoHS Compliant
Certification/Agency Approvals	FCC Part 15 Class A Conformance
Chassis Dimensions (LxWxD)	72in x 2in x 2.6in / 1829mm x 51mm x 66mm
Doghouse (D)	1.4in / 36mm
Shipped Weight	22lbs (9.98kg)