

Power Monitoring Plus (RSM)

PATENTED

Power Monitoring Plus combines complete power monitoring with standard environmental monitoring to create the ultimate power monitoring strip. The combination of power and environmental data allows for effective benchmarking of two of the most critical variables in the data center today, power and cooling.

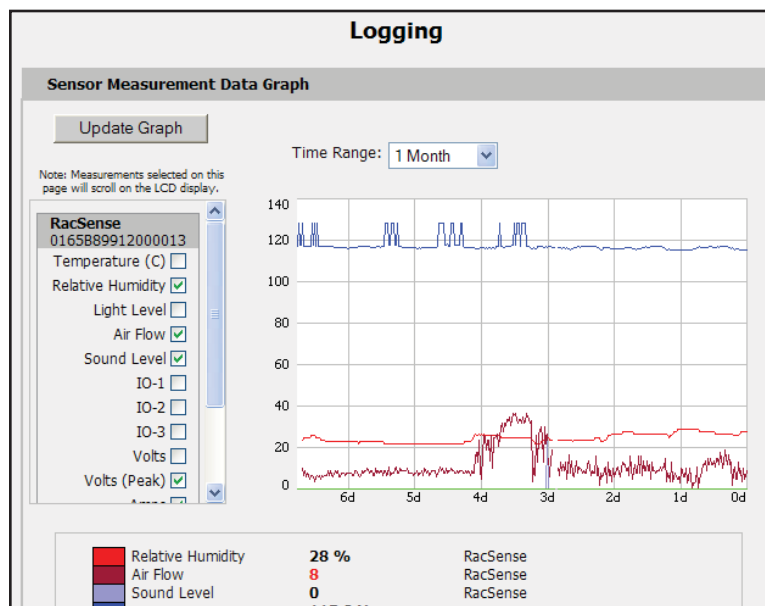
SPECIFICATION:

Internal Power Sensors
 Volts RMS: 80-280 VAC
 Amps RMS: 0-32A
 Ethernet Connection Jack
 Power On Indicator
 Idle Indicator
 Activity Indicator

Software Reset Button
 Remote Display (RSD2X8)
 Connection Jack
 External Sensor Connection Ports
 Four RJ12 Jacks
 - add up to 16 Remote Sensors
 Three I/O Ports
 - 0-5 VDC analog or contact closure

Internal Environmental Sensors
 Temperature Range: -40F to 254F
 Temperature Accuracy: +/- .9F from 50F to 185F
 Humidity: 0-100%, +/- 5%
 Airflow: 0-99, relative
 Sound Level: 0-99, relative
 Light Level: 0-99, relative

FEATURE	BENEFIT
Remote power monitoring	Prevent down-time with early notification of power threshold breach
5 On-board environmental sensors	Current status and trend data for temperature, relative humidity, air flow, light and sound
3 I/O sensor ports	Ability to monitor contact closure devices or scale 0-5V signals
4 Remote climate sensor ports	Monitor temperature, air flow, humidity and dew point via connected sensors
Threshold alarms - remote & local	Convenient notification via e-mail, SNMP traps and/or local audible alarm (RSD for audible)
Remote LCD display (RSD)	Easily viewable power & environmental data
Interfaces with IP web cameras	Visual monitoring of cabinet or computer room
Accessible via any web browser	Easy installation & maintenance - No external software



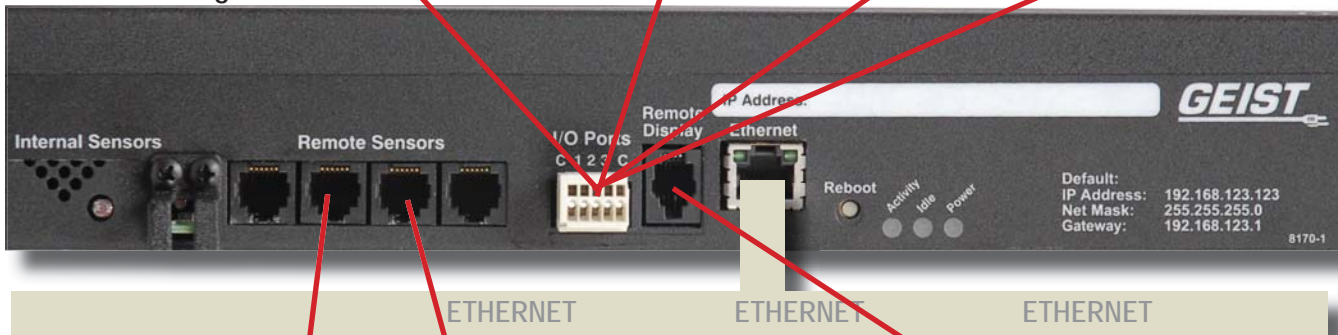
Connectivity Diagram & Compatibility Chart

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Optional Remote Sensors - Connect via I/O Port



Power Monitoring - Plus



Static IP Address for set-up and configuration

Alarms			
RacSense			
		Buzzer	E-mail
Tripped	Temperature (F)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	High Trip	<input type="checkbox"/>	<input type="checkbox"/>
	78.0	<input type="checkbox"/>	<input type="checkbox"/>
	Air Flow	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Low Trip	<input type="checkbox"/>	<input type="checkbox"/>
	25.0	<input type="checkbox"/>	<input type="checkbox"/>
<input type="button" value="Save Changes"/> <input type="button" value="Add New Alarm"/>			

Sensors	
RacSense ID 016588991200013	
Temperature (C)	26.34 °C
Relative Humidity	28 %
Light Level	95 0: dark - 100: bright
Air Flow	11 20: still - 100: rushing
Sound Level	0 0: quiet - 99: loud
IO-1	98 0:0 vdc - 99: 5 vdc
IO-2	99 0:0 vdc - 99: 5 vdc
IO-3	99
Volts	115.8 V _{rms}
Volts (Peak)	115.9 V _{rms}
Amps	0.0 A _{rms}
Amps (Peak)	0.0 A _{rms}
Real Power	0.0 Watts

- Basic & Metered
- Monitored
- Switched
- Satellite
- Environmental
- Software
- Accessories
- Brackets
- Educational
- Resources

1.4 - 1.9kW 15 & 20 Amp, 120 Volt

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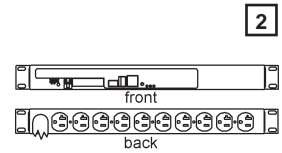
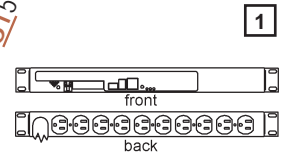
- * Detailed monitoring spec available on page 98.
- UL® & c-UL® Listed 60950
- FCC Part 15 Class A

RSMRIN102-101D15ST5

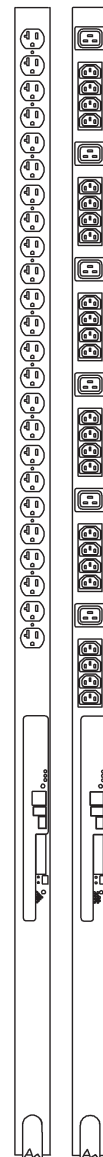
RSMRIN102-102D20ST5

RSMBN242-102D20ST5

RSMBN302-102IN6ST5



3 4



LINE DRAWING	1	2	3	4
AMPS	15	20	20	20
VOLTS	120	120	120	120
TOTAL RECEPTACLE QTY	10	10	24	30
RECEPTACLE TYPE / QTY	5-15R / 10	5-20R / 10	5-20R / 24	C-13 / 24
RECEPTACLE TYPE / QTY	N/A	N/A	N/A	C-19 / 6
CIRCUIT BREAKER / ON-OFF SWITCH	NO	NO	NO	NO
POWER MONITORING - AMPS, VOLTS, POWER FACTOR	YES	YES	YES	YES
MONITORING	AGGREGATE	AGGREGATE	AGGREGATE	AGGREGATE
ENVIRONMENTAL MONITORING - TEMP, HUMIDITY, AIR FLOW, SOUND, LIGHT	YES	YES	YES	YES
ENVIRONMENTAL MONITORING - REMOTE SENSOR JACKS	4	4	4	4
ETHERNET CONNECTION AND LOCAL DISPLAY (RSD2X8)	YES	YES	YES	YES
10' POWER CORD	1	1	1	1
STRAIGHT-BLADE PLUG	5-15P	5-20P	5-20P	5-20P
TWIST-LOCK PLUG	OPT	OPT	OPT	OPT
ADJUSTABLE HORIZONTAL MOUNTING BRACKETS	YES	YES	N/A	N/A
FULL-LENGTH VERTICAL MOUNTING BRACKET	N/A	N/A	YES	YES
TOOLLESS MOUNTING HARDWARE CENTER TO CENTER SPACING (INCHES)	N/A	N/A	61.25 & 64.75	61.25 & 64.75
DIMENSIONS L/H (INCHES)	1.72	1.72	66.25	66.25
DIMENSIONS W	17	17	2	2
DIMENSIONS D	4.5	4.5	2	2

MODIFY TO MEET YOUR NEEDS

Cord Length (Feet) <u>02-15</u> (Plug Attached)
Plug Type: <u>ST</u> = Straight-Blade / <u>TL</u> = Twist-Lock

Basic & Metered

Monitored

Switched

Satellite

Environmental

Software

Accessories

Brackets

Educational

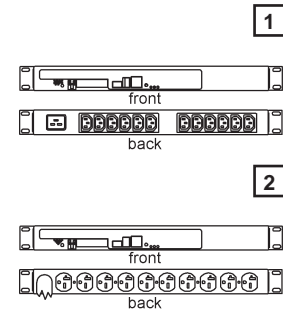
Resources

20 Amp, 120 or 208 & 208 Volt, 1.9 - 3.3kW

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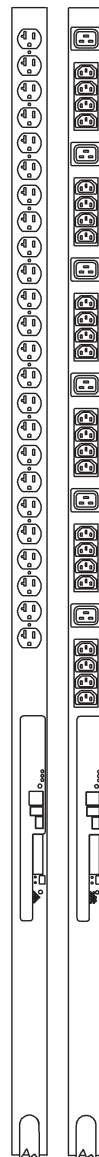
- * Detailed monitoring spec available on page 98.
- UL® & c-UL® Listed 60950
- FCC Part 15 Class A

RSMRN122-002C13C20 *RSMRN102-102D20ST6* *RSMBN242-102D20ST6* *RSMBN302-102IN6ST6*



LINE DRAWING	1	2	3	4
AMPS	20	20	20	20
VOLTS	120 or 208	208	208	208
TOTAL RECEPTACLE QTY	12	10	24	30
RECEPTACLE TYPE / QTY	C-13 / 12	6-20R / 10	6-20R / 24	C-13 / 24
RECEPTACLE TYPE / QTY	N/A	N/A	N/A	C-19 / 6
CIRCUIT BREAKER / ON-OFF SWITCH	NO	NO	NO	NO
POWER MONITORING - AMPS, VOLTS, POWER FACTOR	YES	YES	YES	YES
MONITORING	AGGREGATE	AGGREGATE	AGGREGATE	AGGREGATE
ENVIRONMENTAL MONITORING - TEMP, HUMIDITY, AIR FLOW, SOUND, LIGHT	YES	YES	YES	YES
ENVIRONMENTAL MONITORING - REMOTE SENSOR JACKS	4	4	4	4
ETHERNET CONNECTION AND LOCAL DISPLAY (RSD2X8)	YES	YES	YES	YES
10' POWER CORD	N/A	1	1	1
IEC POWER INLET (WITH CORD RETAINING CLAMP)	C-20	N/A	N/A	N/A
STRAIGHT-BLADE PLUG	N/A	6-20P	6-20P	6-20P
TWIST-LOCK PLUG	N/A	OPT	OPT	OPT
ADJUSTABLE HORIZONTAL MOUNTING BRACKETS	YES	YES	N/A	N/A
FULL-LENGTH VERTICAL MOUNTING BRACKET	N/A	N/A	YES	YES
TOOLLESS MOUNTING HARDWARE CENTER TO CENTER SPACING (INCHES)	N/A	N/A	61.25 & 64.75	61.25 & 64.75
DIMENSIONS L/H (INCHES)	1.72	1.72	66.25	66.25
DIMENSIONS W	17	17	2	2
DIMENSIONS D	4.5	4.5	2	2

3 4



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Cord Length (Feet) 02-15 (Plug Attached)	
Plug Type: SI = Straight-Blade / TL = Twist-Lock	

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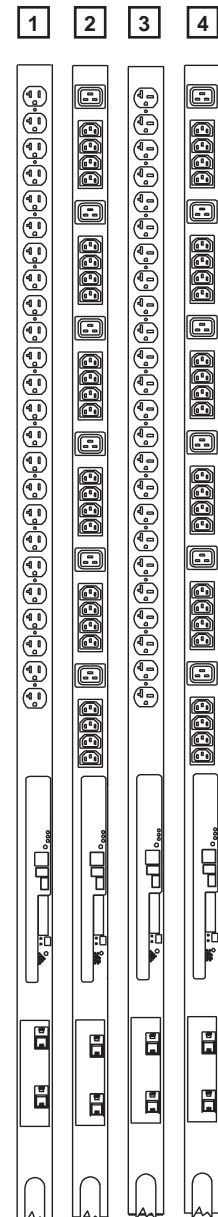
2.9 - 5kW 30 Amp, 120 & 208 Volt

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- * Detailed monitoring spec available on page 98.
- UL® & c-UL® Listed 60950
- FCC Part 15 Class A

RSMB240-103D20TL5
 RSMB300-103IN6TL5
 RSMB240-103D20TL6
 RSMB300-103IN6TL6

LINE DRAWING	1	2	3	4
AMPS	30	30	30	30
VOLTS	120	120	208	208
TOTAL RECEPTACLE QTY	24	30	24	30
RECEPTACLE TYPE / QTY	5-20R / 24	C-13 / 24	6-20R / 24	C-13 / 24
RECEPTACLES PER BREAKER	12	12	12	12
RECEPTACLE TYPE / QTY	N/A	C-19 / 6	N/A	C-19 / 6
RECEPTACLES PER BREAKER	N/A	3	N/A	3
MAGNETIC CIRCUIT BREAKER / ON-OFF SWITCH WITH INTEGRAL GUARD	YES	YES	YES	YES
BREAKER AMPERAGE / QTY	20 / 2	20 / 2	20 / 2	20 / 2
BREAKER POLE CONFIGURATION	SINGLE	SINGLE	DOUBLE	DOUBLE
POWER MONITORING - AMPS, VOLTS, POWER FACTOR	YES	YES	YES	YES
MONITORING	CIRCUIT / BREAKER	CIRCUIT / BREAKER	CIRCUIT / BREAKER	CIRCUIT / BREAKER
ENVIRONMENTAL MONITORING - TEMP, HUMIDITY, AIR FLOW, SOUND, LIGHT	YES	YES	YES	YES
ENVIRONMENTAL MONITORING - REMOTE SENSOR JACKS	4	4	4	4
ETHERNET CONNECTION AND LOCAL DISPLAY (RSD2X8)	YES	YES	YES	YES
10' POWER CORD	1	1	1	1
TWIST-LOCK PLUG	L5-30P	L5-30P	L6-30P	L6-30P
FULL-LENGTH VERTICAL MOUNTING BRACKET	YES	YES	YES	YES
TOOLLESS MOUNTING HARDWARE - CENTER TO CENTER SPACING (INCHES)	61.25 & 64.75	61.25 & 64.75	61.25 & 64.75	61.25 & 64.75
BREAKER DOGHOUSE - 1.44" DEPTH	YES	YES	YES	YES
DIMENSIONS L (INCHES)	66.25	66.25	66.25	66.25
DIMENSIONS W	2	2	2	2
DIMENSIONS D	2	2	2	2



MODIFY TO MEET YOUR NEEDS

Cord Length (Feet) [02-15](#) (Plug Attached)

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