

Surge Protected 5 Way Smart Strip



- A 5 way extension socket with a built in real time smart meter, switching relay and local control
- Sends a real time reading of power consumed every 1 second to Enistic Energy Manager
- Simple to install - plugin and go. Ideal for use in an office under a desk
- Allows visibility of energy consumed by each staff member
- Remotely controllable by Enistic Energy Manager to allow it to switch on and off
- Utilises Zigbee Pro and designed for use with the Enistic Energy Manager
- Utilises MID meter grade technology to correct for power factor differences

The Surge Protected 5 Way Smart Socket with Surge Protection is an Appliance Level Smart Meter and Control System built into a useful 5 way socket. It is designed to be used as part of a Enistic Energy Manager solution and is ideally suited for use within an office environment as a simple replacement for traditional 4 way extensions typically found under desks. Plug in computers, monitors, speakers, blackberry chargers etc into the sockets and every 10 seconds the 5 way will send information to the Enistic Energy Manager about how much energy is being consumed.

Features

- Report of the power being consumed to the nearest 0.1W every 1 second (or slower if so configured) to Enistic Energy Manager
- Local control - Press the red button to switch the unit on and off
- Controllable (on and off) from the Energy Manager to automatically shut your PCs down each night or turn devices off remotely
- 13A maximum with surge protection
- Encrypted communications for secure operation
- Mesh networking for excellent range
- Unique serial number embedded in each product for identification on network

Suggested application areas

- Office energy management
- Measuring power consumption of devices
- Replacement under desk power strip
- Server energy management
- Computer, audio / visual and general IT power measurement
- Education uses for demonstrating power consumption
- Remote operation of devices via internet or local control
- Use as part of the Enistic Energy Management system

Information subject to change without notice. E & EO.

For further information and ordering please contact Enistic Limited

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BBSP-SS/5

Electrical

Item	Value	Unit
Power supply	110-240	VAC
Maximum power (resistive loading)	13	A
Surge protected voltage	24,000	V
Surge protected lines	Live <-> Earth	
Standby power (relay open / closed)	800 / 800	mW
Factory fitted fuse rating	13	A
Local operation	Relay toggle	
Local operation method	Pressing the 'Program' button toggles relay state	
Relay control / individual switchable sockets	All 5 sockets / No	

Power measurement

Item	Value	Unit
Power measurement enabled	Yes	
Current sampling	1024	per socond
Voltage sampling	1024	per second
Programmable reporting interval	Yes	
Minimum reporting interval	1	second
Factory set reporting interval	10	seconds
Maximum reporting interval	65,535	seconds
Measurement per socket	No	
Measurement per strip	Yes	
Accuracy at 10s reporting	0.1	W

Physical

Item	Value	Unit
Size (l x w x h)	350 x 50 x 70	mm
Weight	400	g
Cable length	100	cm
Storage (min -> max)	-20 -> 50	deg C
Storage (min -> max)	0 -> 60	% rel. hum.
Operation (min -> max)	-20 -> 50	deg C
Operation (min -> max)	0 -> 60	% rel. hum.

Wireless communications

Item	Value	Unit
Frequency	2.4	GHz
Interferes with WiFi	No	
Standard	802.15.4 / Zigbee Pro	
Maximum range between mesh nodes	32	m
Maximum nodes per network	> 1,000,000	nodes
Ecryption standard	128 bit AES	

Miscellaneous and standards

Item	Value	Unit
Standards	CE, BS 5733, LVD, WEE, ROHS	
Country of design / manufacture	UK / UK	
Packaging	Bulk packaged in recyclable poly bag / 20 per carton	

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