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inPower™ Flex

Specifications

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OVERVIEW

– Universal version includes two universal sockets that are compatible with nearly all plugs used on 230 VAC systems.
– The Universal version (Part Number 25001) will also accept North American and Japanese spec plugs but will supply 230 VAC not 120 VAC. Users will need to use 120-230 V rated devices or transformers to reduce the voltage.
– The primary component of the system is the receptacle module. In addition to the AC and DC power receptacles it includes an integral 5 VDC power supply, a power indicator light, a circuit breaker to limit the current on the module, a second circuit breaker to limit the current within a daisy chain of modules and the inlet and outlet power connectors. The power cord connects to a wall or floor power socket and jumper cords are used to interconnect the receptacle modules in a daisy chain.
– The inPower™ Flex system is designed to minimize the tripping of the building circuit breakers. When used as the only load on a building circuit, the daisy chain circuit breakers will trip before the building service breakers. This will minimize the need to access the electrical closets when an overload occurs. It can be reset from the module that tripped by a user or staff member.
– Each module also includes a circuit breaker to limit the current to approximately 600 watts. This prevents the use of high current devices (hair dryers, travel irons, floor cleaning machines, etc.) while allowing the use of all consumer electronics. When a high current device is used, only the one receptacle module shuts down. It can easily be reset by a user or staff member resetting the circuit breaker.

FEATURES

jumper cable

power cord

Electrical Connections

Daisy Chain Length
– inPower™ Flex units can be connected in a series to allow multiple units to be powered from a single power source. No more than 5 units can be included in a single series connected daisy chain.

Daisy Chain Connections
– IEC 60320 C13 Power cord or jumper cord inlet
– IEC 60320 C14 jumper cord outlet

AC Outlet Connections
– North American - Duplex NFMA 5-15R (3 prong including ground)
– UK-Two BS 1360 sockets (3 prong including ground)
– Schuko - Two CEE 7/7 sockets (2 prongs plus ground clip)
– Universal - 2 sockets with multiple openings

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The Universal Sockets are compatible with the following different plugs:

– CEE 7/7   Europe (not grounded)
– CEE 7/4   Europe (not grounded)
– CEE 7/16   Europlug
– AS/NZS 3112   Australia/New Zealand
– BS 1363   UK/Ireland/Hong Kong
– Afsnit 107-2-D1   Denmark
– CEE 7/4   Europe (not grounded)
– BS 546   India/South Africa
– SI 32   Israel
– CEI 23-16/VII   Italy
– SEV 1011   Switzerland
– NBR 14136   Brazil
– IRAM 2073   Argentina
– GB 2099.1/1002.1   China
– Gost 7396   Russia

USB Charging Capability (All Models)
– Compliant with USB 3.1 Power Delivery 2.0
– Apple devices charging capabilities

Power Capacity (North American Model)
– 120 VAC 12 A for a daisy chained system
– 120 VAC 5 A max for each module
– 5 VDC 2.2 A max for each USB receptacle

Power Capacity (230VAC Model)
– 230 VAC 8 A for a daisy chained system
– 230 VAC 3 A max for each module
– 5 VDC 2.2 A max for each USB receptacle

Protection
– Inlet power daisy chain limit: re-settable breaker with fault indication
        • North America 12 Amp
        • 230 VAC models 8 Amp
– Module limit: re-settable breaker with fault indication
        • North America 5 Amp
        • 230 VAC models 3 Amp
– GFCI with test and rest buttons and fall indicator light (North America only)
– USB 5 VDC over-current protection 2500 mA

Environmental Conditions
–   Temperature range 0° to 40° C
–   Humidity 0 to 95% non-condensing
–   Indoor use

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Operation

– The inPower™ Flex modules will be installed under table tops or under public seating in places easily reached by the public. The users will plug in their consumer electronic devices using standard power cords or USB cords.
– Service can be extended from one unit to another using a jumper cable from the daisy chain outlet of one unit to the power inlet of a second unit to a maximum of 5 series connected units.
– If the receptacle indicator is not illuminated, a user or staff member can reset one or both circuit breakers to restore service. The reset buttons are on the front panel of the receptacle modules.
– If the GFCI indicator is illuminated and no load is present, the user presses the GFCI re-set button to restore service (North America only).

Approvals

– All components are UL/CSA listed
– All components meet ROHS
– Tested to UL/CSA/IEC 60950
– FCC Part 15 Conducted and Radiated Emissions Class B
– Industry Canada ICES-003 Class B
– North American - cTUVus Mark
– UK and Schuko - TUV SUD and CE Mark
– Universal - CE Mark

Design Details

– Face plate satin polished aluminum die casting
– Top and bottom shell black molded nylon
– Maintenance by user and operator limited to re-setting breakers. Return complete assembly to factory for all repairs
– Cable management to dress jumper cords and contain excess length
– Blue LED panel illumination to indicate module ready to service
– Brackets available for all Arconas beam seating units
– Unique brackets can be designed to adapt inPower™ Flex to many other seating designs