

AC MAINS POWER DISTRIBUTION UNIT

MDU1000

ATS
(Automatic
Changeover)



upto 14 Individually Fused IEC Outputs

19" Rackmount 1 RU

Automatic Input Changeover

Lockable Neutrik PowerCON Input option

Micro-controller based smart operation

MDU1000 rack-mountable AC mains distribution units combine the perfect balance of functionality, size, & cost. All units have been designed to reduce integration time without compromising on any safety aspects.

The MDU1000 series has been designed keeping the safety at highest priority. All the internal connections for AC mains are covered and **protected against accidental contact**, even during service and repairs. The power On/Off switch has protection cover to **safeguard against operator mistakes**.

The sequential and changeover units have **intelligent control** of inputs and/or outputs using high dependability and **high speed relays**, which provide a smooth connect and break. A **powerful Micro-Controller** has been used to ensure accurate timing and future upgrades. **Changeover option** units have a fail-over switching time of less than 30ms, which is unnoticeable by the load devices. Visual and buzzer indicators are present for loss of input power. Upon restoration of main power input, the unit will wait for the main input to stabilize for 10 sec before it switches back to the main power. **Sequential Start** option units are configured for 600ms delay between each output switch On. Note: Changeover and Sequential Start options cannot be configured in the same unit.

Every model of the MDU1000 series comes standard with **individually fused IEC outputs**. The front loading and easy to replace fuse holders provide ease of access to the users, without the need for any tools. Standard configuration is 14 IEC Outlets, and **custom configuration** is feasible for as little as 15 units.

Illuminated On/Off switches make it easy to identify the status of the Inputs and Outputs (for individually switched models). **Individual fault LEDs** for Outputs light up if the AC is not connected to the load devices due to fuse failure etc.

All units are equipped with **inbuilt EMI filter** at the input. The AC input can be either a **lockable Neutrik PowerCON socket**, or can be pre-wired with heavy duty long life **cable of 2.5m length**. All MDU1000 serial units are **1 RU 19" rack mountable**, and have the option for **Cable Tie bar** for efficient management of cables.



Specifications for MDU1000 with Automatic Changeover

Input	220/240V 50 (±3%) 16A Maximum load, via 2xNeutrik PowerCON or 2.5m prewired cable
Outputs	Individually Fused IEC x 14, 5A load each (max), 1A standard fuse
Automatic Transfer	<30ms Switching time
Visual Indicators	Unit ON/OFF, Dual Line Input Status Indication, Active Input Status Indication Individual IEC output ON/OFF, Individual output Fuse Fail
Aural Indicators	Input Fail Buzzer with different beep for each input, Buzzer Kill Switch
Protections	Inbuilt EMI Filter, ON/OFF switch guard cover, Lockable Input connectors.
Switches	Unit ON/OFF switch 16A with indicator
Mechanical	1 RU 19" Rack Mount with optional rear Cable Tie Bar / 4.5 Kg
Environment	Temp: -10°C - 50°C (storage) & 0°C - 45°C (operating) / Altitude: 10,000ft AMSL / Humidity: 85% non condensing

*Images in this document may not be an accurate representation of the colors of the actual product.