



# Product Data Sheet

Argosy MDU12i Intelligent MDU

## Description



The MDU12i allows for comprehensive metering of the mains input while giving flexible control to the outputs. It is also the only MDU on the market that incorporates a hot swappable control board to allow for on-site hardware upgrades.

These units offer network connectivity to our range of Mains Distribution units, enabling secure remote monitoring and control of up to 32 units from one network address. The MDU allows for comprehensive metering of the mains in-put while giving flexible control to the outputs. A sequence and delay is fully programmable while power shedding allows controlled loss of non-critical equipment upon power failure with a UPS.

On board metering monitors the mains input to ensure continuous supply, with SNMP traps and alarms available via GPIO/email to alert if the input goes out of spec. All functions are available through the secure webpage interface.

The control and communication card along with PSU can be easily removed via a removable front panel cover. With the unit utilising latching relays, the control card can be safely removed for servicing or upgrade allowing the unit to operate with no loss of power to the outputs. When a new card is inserted the unit will pick up the current status of the outputs and boot up without any loss of power.

With the addition of latching relays this MDU has a very low energy consumption. Along with a substantial copper bussbar arrangement for distribution, this allows the unit to run very cool, helping to obtain a desired PUE.

Product	SKU
ARGOSY MDU12I INTELLIGENT MDU	HG-00-4015



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Argosy MDU12i Intelligent MDU

## Key Benefits

- Hot Swappable control board to allow for on site hardware upgrades.
- Power on sequence, programmable to allow a timed start between channels and other units or to turn on simultaneously.
- On board metering monitors the mains input to ensure continuous supply with alert options.
- Climatic Monitoring including 8 x temperature and humidity sensor port.

## Technical Specification

### Argosy MDU12i Specification

<b>Form Factor:</b>	19" 1RU rack mount
<b>Input:</b>	Via Neutrik powerCON True1
<b>Voltage:</b>	85-264VAC
<b>Frequency:</b>	50/60Hz
<b>Max Current:</b>	16A
<b>Outputs:</b>	C13 IEC via 10A fuse
<b>Indication:</b>	Channel on and fuse failure
<b>Output Fuses:</b>	10A max per channel (not to exceed 16A input)
<b>GPIO:</b>	8 x opto-isolated inputs, 2 x 0-5VDC analogue in-puts, 1 x NO/NC & 1 x NO volt free contacts.
<b>Environmental:</b>	Up to 8 x temperature sensors (daisy chained), 1 x humidity sensor
<b>Network:</b>	
1 x RJ45	100Base-T Ethernet port supporting IPv4 HTTP, HTTPS [Secure Socket Layer (SSL)], SNMPv2 & v3
2 x RJ11	High speed MODBUS (Up to 31 daisy chained units)
Interface	Web page, Telnet