# Redundant Switch \& Distribution Unit (RSDU) 

## 2 inputs \& 12 configurable outputs

AD12 is a 12 channels signal Redundant Switch \& Distribution Unit (RSDU) packaged in a 19" 1U enclosure.
The unit accepts 2 buffered inputs which are distributed to 12 buffered outputs. Each output can be connected to each input using RS-232 or by LAN (optional).

Each AD12 output used as an input to another AD12 unit, thereby creating a system of multiple dozens outputs, starting from a single input. The unit includes a front panel LED indication for inputs/outputs validation.


- 12 channels configurable outputs
- 2 input signals (sine or square)
- Monitor and control: RS-232, LAN (UDP)
- Supply Voltage: 90-260 VAC (DC as an option)


## Description

The AD12 unit accepts 2 buffered inputs which are distributed to 12 buffered outputs. Each output can be switched to each input using RS-232 or by LAN (optional).

Each AD12 output used as an input to another AD12 unit, thereby creating a system of multiple dozens outputs, starting from a single input. The unit includes a front panel LED indication for inputs/outputs validation.


## Application B: Switch / Distribution.

The user defines which input is connected to each one of the outputs.

All specs are @ $25^{\circ} \mathrm{C}$, quiescent conditions and sea level ambient unless otherwise specified

## Specifications


$\left(^{*}\right)$ In case the input signal is exists and the BIT is valid, the unit shall treat the input as valid (for more details contact factory).

| Power Supply |  |
| :--- | :--- |
| Power Supply | $90-260$ VAC $47 / 63 \mathrm{~Hz}$ (DC power supply as an option, 28VDC / -48VDC) |
| Power Consumption | $\leq 10 \mathrm{~W}$ |


| Standards |  |
| :--- | :--- |
| CE Compliance | Safety per IEC950 / UL1950 / EN60950. |
|  | EMI / EMC per EN50081, EN50082, EN50024 and FCC Part 15 Class A. |


| Temperature Range |  |
| :--- | :--- |
| Operation | $-20^{\circ} \mathrm{C}$ to $+65^{\circ} \mathrm{C}$ |
| Storage | $-40^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}$ |

Dimensions \& Weight

## 19" x 1U Rack Mount

| Dimensions |
| :--- |
| Weight |

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| BIT |  |
| :--- | :--- |
| Front panel LED Indications | Power, BIT, Inputs A \& B validity, 12 outputs validity indications (one for each <br> output). |
| Hardwired overall BIT indication | Open collector overall BIT indication |


| Electrical ICD |  |  |
| :---: | :---: | :---: |
| Connector | Standard Type | Options |
| - Power Supply | AC, Standard Inlet (IEC320 C14) | 28VDC / -48VDC |
| - Input A | BNC | TNC |
| - Input B | BNC | TNC |
| - CLI (Rx, Tx), Overall BIT output, Inputs BIT (*) | D-Type |  |
| - LAN (option) | RJ-45 |  |
| - OUT 1 - OUT 12 - Output signals | BNC | TNC |

Mechanical ICD


Front Panel


Top View

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## HOW TO ORDER

| AccuBeat P/N | Monitor \& Control | I/O Connectors | Power Supply |
| :---: | :---: | :---: | :---: |
| AD12000 | CLI (RS-232) \& LAN (UDP) | BNC | AC <br> $(90-260 \mathrm{VAC})$ |
| AD12001 | CLI (RS-232) | BNC | AC <br> $(90-260 \mathrm{VAC)}$ |

## Accessories

SW50031
CUSTOMER GUI FOR AD12A
For all other options - contact factory

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