

## PRODUCT INFORMATION RSP8

## Digital Distribution Amplifier



### Description

The Digital Distribution Amplifier RSP8 is a 16-channel unit with the function of a power supply. The unit refreshes the digital input data and distributes them to 8 active outputs, where channel selectors of the MULTICOM16 System will be connected.

The input data can be linked to further RSP8 units.

The maximum number of units which can be powered at one output depends on the necessary cable length within the customer specified system. For standard applications 30 units per output are possible.

The 8 outputs of the RSP8 are electronically short-circuit protected. In case of a short-circuit the output current will be limited to 1.2A. The output will then automatically switched off, which is indicated by red LEDs on the front panel. When the short-circuit has been removed, the output will automatically be activated again.

The terminator resistors which are necessary for the last unit at one line are included in delivery.

### Technical Data

#### Connections

- **DATA IN** (RJ45 connector)  
Connection to MULTICOM16 A/D-Converter
- **LINK** (RJ45 connector)  
In parallel to DATA IN
- **L1 ... L8** (8 x RJ45 connectors)  
Connection to MULTICOM16 Channel Selector, up to 16 language channels  
48 VDC / 6 A total / 1.0 A max, per line

#### Features

- Mains power switch with green light for power on indication
- 8 LEDs (red) for power failure indication at the corresponding 8 outputs

#### Short circuit protected outputs

- Short circuit <2s: Current limit at 1.2A max. each output
- Short circuit >2s: Output will be switched to OFF
- 65s cycle time for switching the outputs to ON if the short circuit has been removed

#### Power Supply

- Mains power (90 ... 250)VAC, (50 ... 60)Hz
- Power consumption 300W max.

#### Housing

- 19", 2HE, Aluminum, "silver" anodized
- W x H x D: (433 x 88 x 258)mm

#### Weight

- 4.7 kg

#### Accessories (not included in delivery)

- **CAT 5 cable** (EIA/TIA-568), shielded, different length available
- **REP216 Repeater**
- **(E)WD216 Channel Selector**