



beyond standard solu-
tions

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PAXModular Supervision DLM

Amplifier and Line Monitoring



Description

The PAXModular Supervision series consists of several 19" 1HE devices to control amplifiers as well as amplifier- and line monitoring of multi-channel audio amplifiers in 100 volt technology.

The PAXModular Supervision DLM (DigitalLineManager) monitors up to 12 amplifiers and 4 backup amplifiers with a pilot tone and examines the loudspeaker lines for earth fault, short circuit and impedance defects.

In addition, or alternative to the regular impedance monitoring an "End of Line" Test can be done using external EOL modules. Up to 8 EOL modules per loudspeaker line are possible. The EOL modules have the following features:

- Placed at the end of a line a cable break can be monitored.
- Assembled in front of a loudspeaker the EOL module can turn off this single Speaker.
- Installed in an intersection of a fire-protection area it is possible to build a loop to a different DLM and therefore supply the loudspeaker line from two sides.

Furthermore, the switching of the 100-volt loudspeaker line to the backup amplifier is done by the DLM.

The PAXModular Supervision DLM operates together with the PAXModular Supervision DCU (DigitalControlUnit).

All units provide an optional second 100MBit network interface for web-based administration and control. The power supply has redundant connectors. The voltage range is 24-48 DC and therefore optimal for emergency power supply operation.

In operating mode „standalone“ the DCU unit controls up to 4 DLM and the AIO unit up to 2 DLM autonomously. Errors are forwarded through SNMP traps.

In operating mode „control“ the DCU communicates via two TCP/IP socket connections with the supervisor control unit.

With amplifiers of the PAXModular series it is possible to realize amplifier rack units of high density.