BARTEC VODEC

Features

- Lightning protection
- Glass fibre construction
- High reliability, minimal down time
- Rapid service/maintenance
- Simple quick installation

PAGA Expansion Port

Description

The ATE4 is a clip on/off DIN rail mount port which is designed to extend a BARTEC VODEC VX/AT switch to allow connection for up to four VAP30 public address microphone access units.

The ATE4 comprises of a rugged DIN rail mount PCB carrier, field cable terminal assembly and on board switching matrix.

An array of LED indicators provides the engineer with ATE4 operating status and DIL (Dual in line) switches allow the engineer to enable or disable ATE4 features to meet specific applications.

Further ATE4 ports can be cascaded up to a maximum of four modules, inter port connectivity is by plug in/out flat IDC (insulation displacement) ribbon cable enabling simple expansion with minimal hardware impact.

The ATE4 is managed by an on board processing sub-system that determines access priority, emergency/routine speech preference and system alarm tone control.

Loudspeaker muting ATE4 also provides drive output on ribbon header PLC 10 way connector to allow direct control of loudspeaker muting relays on the BARTEC VODEC loud-speaker mute port.

This enables loudspeaker(s) in the vicinity of a live VAP30 access unit to be disabled for the duration of the broadcast from the active VAP30 thereby obviating risk of acoustic feedback.

Connection to the ATE4 is from the host VX/AT management system by a single 34 way IDC plug in/out ribbon cable assembly.

Connection to other ATE4 ports (where more that four VAP30 microphones are required) is by identical 34 way IDC (insulation displacement) ribbon cable enabling simple expansion.

Power supply is derived from the VX/AT management system which sources DC 48 V.

This supply is down converted to energise (on board the ATE4) to DC 5 V to energise the ATE4 processor and also provide DC 48 V to phantom supply the VAP30 access unit(s).

The ATE4 carries DTMF decoders X 4 to facilitate in band supervision of critical paths between the port and the remote VA30 access unit, a cable or VAP30 failure will illuminate LED trouble status indication.

Remote status display
The ATE4 is fitted with an integral status display output allowing all onboard indication to be routed to a remote diagnostic panel type ATE44-44D.

▶ Technical Data

Supply
DC 48 V

Consumption
100 mA

Dimensions
111 mm wide
222 mm high
60 mm deep

Weight
0.581Kg

Terminal
4 x 26 way field cable plug/socket termination up to 2.5 mm² conductors

Number of subscribers
4

Connection diagram

Expansion to other ATE4 ports

ATE4 Expansion port

I.S. safety barriers

Operator microphone access units

VAP30 #1

VAP30 #2

VAP30 #3

VAP30 #4

13 pair screened cable

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