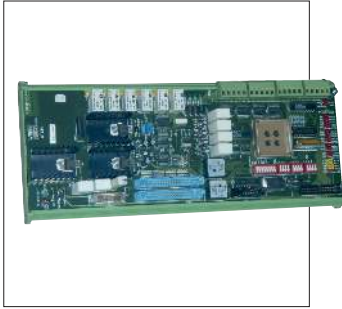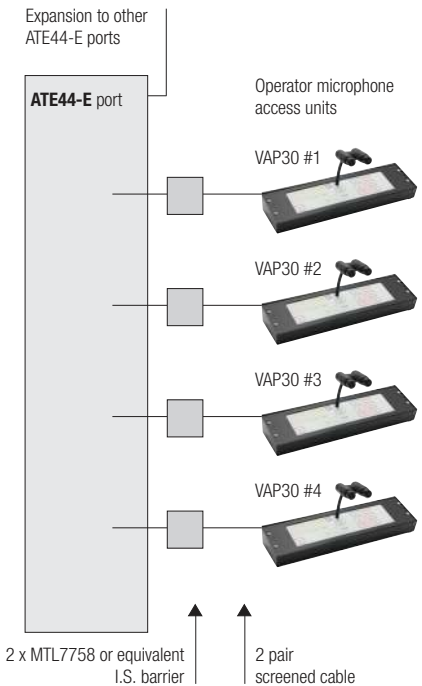- Plug in/out no soldered joints/hard wiring
- Optically isolated interface
- LED status display

PSC VODEC design and manufacture a range of public address and alarm broadcast equipment developed specifically for the petrochemical industry. The PSC VODEC ATE44-E port is DIN rail mount snap on/off assembly located in the central equipment MDF and facilitates the connection of up to four VAP30 intrinsically safe ATEX certified microphone access units.

The ATE44-E port connects to the host VX/AT-M management by a plug in/out 34 way flat ribbon IDC cable, which can support up to four ATE44-E ports to give an ultimate capacity of sixteen VAP30 access units. The ATE44-E is fitted with four channels corresponding to four VAP30 access unit inputs. To assure intrinsic safety each channel is assigned a MTL7758 or (equivalent) I.S. barrier set. Each operator access unit shall be fitted with VAP100E transceiver modules to allow communication with the ATE44-E. A remote status display panel is extendable from ATE44-E type ATE4-44D.
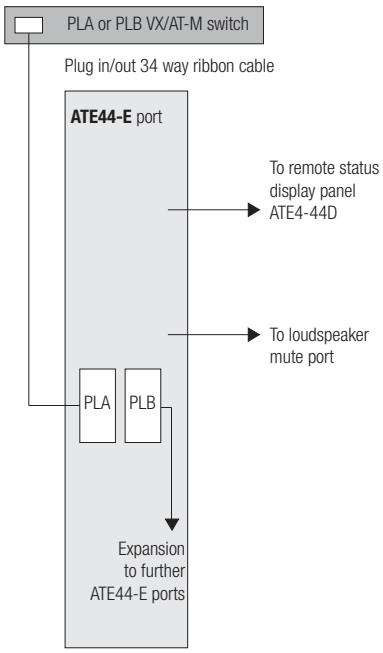
Connection diagram

Technical data

Supply	DC 48 V from host VX/AT-M switch
Consumption	200 mA
Signalling protocol	Full duplex DTMF in band signalling
Dimensions (width x height x depth)	111 mm x 252 mm x 60 mm (19.02 inch x 1.75 inch x 1.97 inch)
Weight	0.48 kg (2.2 lbs)
Temperature range	0 °C to +50 °C (+32 °F to +122 °F)

Diagram I

Status Display Panel ATE4-44D

The ATE4-44D is a 1 unit high standard 19 inch rack mount status indicator panel. The unit is designed to operate in conjunction with either ATE4 or ATE44E VAP30 expansion port and allows indications fitted as standard to the expansion port to be extended to the front face of the equipment rack, thereby facilitating convenient fault diagnostics.

The ATE4-44D is extended from the host expansion port via a standard 26 way IDC ribbon cable assembly which carries not only individual status drivers but also engineers' fault report reset facility enabling front panel restoration of expansion port supervisory. A single ATE4-44D can display status from up to two expansion ports.

Technical data

Supply	Phantom powered from host VX/AT-M
Consumption	50 mA
Dimensions (width x height x depth)	483 mm x 44.5 mm x 50 mm (19.02 inch x 1.75 inch x 1.97 inch) (19 inch rack mount)
Weight	1.0 kg (2.2 lbs)
Temperature range	0 °C to +50 °C (+32 °F to +122 °F)