

AS2950 - 4W E&M Line Switching Unit

Continual Channel Monitoring

Automatic Switch Over

Single Extended Eurocard

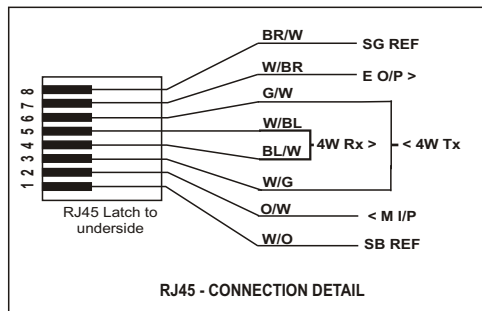
Description

The AS2950 Line switching Unit provides a method of connecting two 4W E&M devices over any one of two E&M circuits. This provides the facility with resilience to link drop out by ensuring that the links are routed in two different directions. Typically a primary and secondary link.

Under normal operation the unit continually monitors the condition of both links and signals an alarm condition appropriate to the connections. Communications will normally take place over the primary link and will fall back onto the secondary link under a failure of the primary. This fall back is completely automated with no break in communications.

In addition to the standard backup facility the system has an EOW (Engineering Order Wire) port. This provides the engineer/user with the facility to create a callover the link as a full duplex call. The handset unit (AS2970) has an interface module to condition signals to and from the handset and is also fitted with a buzzer and LED to indicate call conditions.

The unit can operate from any 24Vdc supply and in conjunction with the AS2960 shelf can be fitted with main and backup supplies for power fail resilience. Unit size is standard Single Extended Eurocard, connections to line and equipment are via standard RJ45 connectors.



FUNCTIONAL DIAGRAM

Technical

4W E&M (All Ports)-
 Audio 600R balanced
 E&M Configurable for Types 1-5

EOW Port -
 Single ended audio I/P & O/P
 Momentary I/P for Outgoing Call
 Latched O/P for Incoming Call

Control -
 Timing -
 - Link changeover 50mS max
 - Link recovery delayed for 2secs
 - Alarm Reports within 50mS

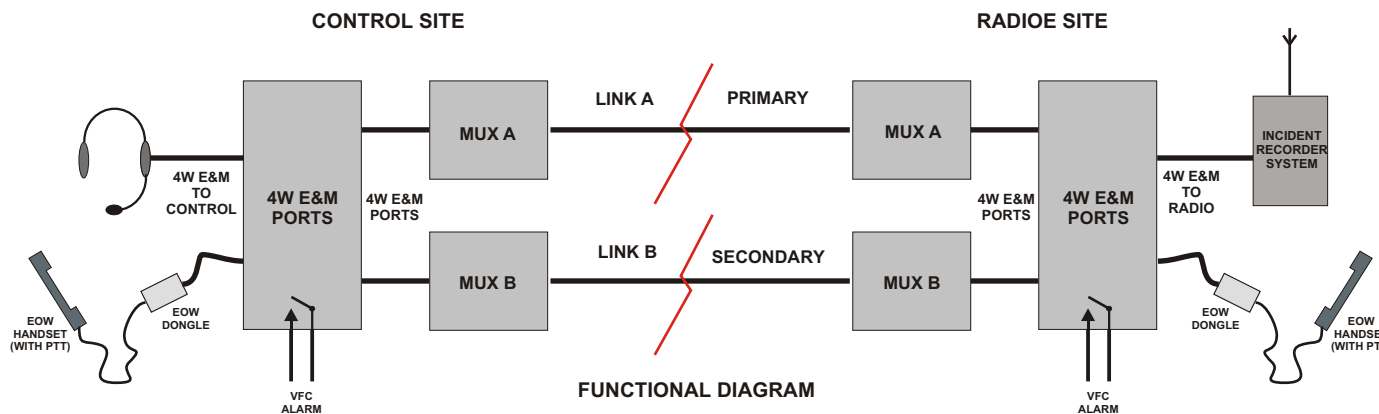
Alarms & Status -
 Front Panel lamps to indicate link status
 Dry Contact O/P for Alarms

Powered from 24Vdc (48V option avail)

Card Size - 220 x 100 (Single Ext Eurocard)

Lamp operation

Link Lamps -
 Flashing Green - Link Good, No active Calls
 Flashing Red - Link Faulty
 Solid Green - Link Good, Active Call
 Solid Red - Link Faulty, Call being activated



FUNCTIONAL DIAGRAM