

# AS0230 - FOSM (FIBRE OPTIC SPEECH MODEM)

19" 3U Rack Mount

Extends Radio & Telephone over Fibre

Modular Construction

## Description

The FOSM system is a method of providing an extension telephone, radio interface and engineering telephone over a secure fibre optic link. All communications between the two ends are provided over fibre with an operational distance of up to 4Km over multi-mode cable. By utilising fibre the system provided call security and electrical safety between sites.

*Construction* - The system is housed in a standard 3U 19" shelf for fitting into a 19" cabinet. The unit is enclosed for safety and EMC purposes.

*Configuration* - unit is switchable for Shelter or Equipment room working with a 25way selector connector.

*Radio Interface* - provides an extended 600R connection and a volt free contact for PTT.

*Telephone Interface* - Standard 2W telephone connection can be extended over the fibre connection.

*Engineering Telephone* - a connection is provided for connecting a local test phone at each end. By pressing '#' the opposite end telephone will ring.

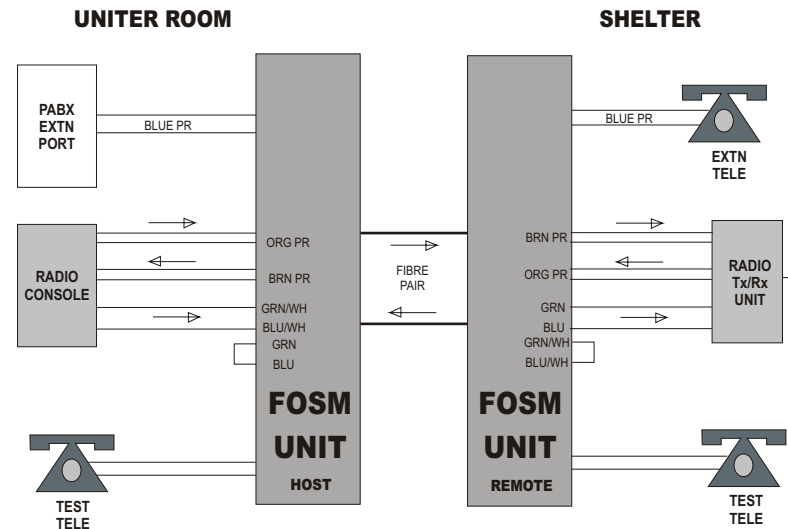
*Fibre Link* - unit can be supplied in multi or single mode with front or rear connections. System continually monitors fibres and flags up line failure.

## Features

- Electrically Safe in HV environments
- Configurable on site for Host/Remote
- Modular system for rapid maintenance
- Connects to standard 2W PABX port
- Function lamps for fibre & system status
- All interface connections pluggable
- Secure Telephone Link



## FUNCTIONAL DIAGRAM



## Technical

- Powered from 100 - 265Vac
- ST or SMA connections for fibre
- Fibre Loss budget of 15dB
- Multimode or Single on request
- Standard 19" 3U fixings

Weight - 250g  
Size - 100 x 220 x 25 mm

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