

# AS2910 - Fibre Repeater Unit

Bi-Directional Conversion

External Universal PSU

Wall Mount Enclosure

## Description

The Fibre Repeater Unit provides a method of regenerating a signal between any two FibTel units. The repeater detects the carrier and any varying pulses widths on the incoming fibre in both directions and regenerates it on the opposite transmit path. This effectively allows the distance between any two FibTel units to be doubled.

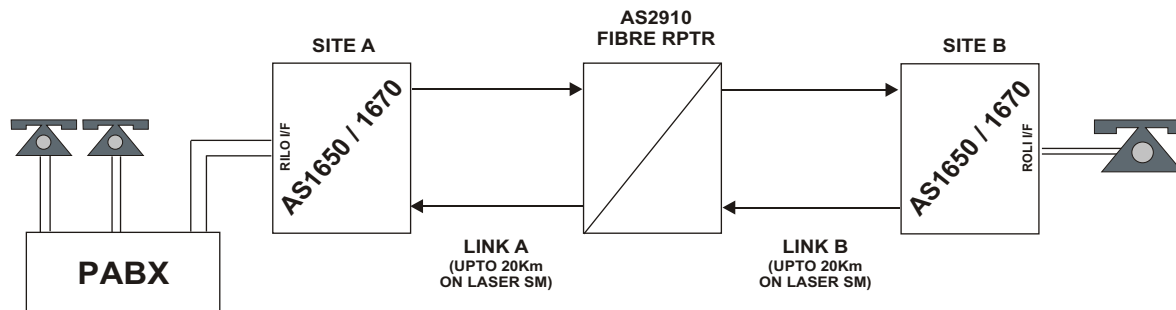
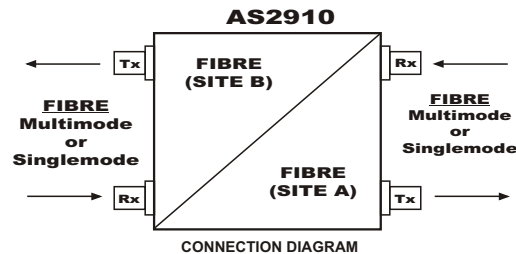
Depending on the variant of transmit devices being used the distance/loss budget will vary.

Fibre connections are provided via standard ST connectors for both fibre paths and a dc connector is available for power to the device. The unit is also equipped with two front panel lamps to show that carrier has been detected in each direction.

## Operation

The lamps on the unit facia reflect the condition of the carrier on each site link.

When the unit is connected to a compatible unit at the opposite end of the link the CARRIER lamp will illuminate GREEN (solid) for that site and if the link breaks or carrier is lost the associated lamp will flash RED.



## Technical Detail

### FIBRE

- Singlemode -
- ST connection
- Loss Budget 18dB

Unit Powered by Ext Universal PSU 100V/240Vac  
Power to dc Connector 24Vdc @ 200mA

Housed in Wall Mount Enclosure

Weight - 600g (inc PSU)  
Size - 180 x 88 x 40 mm

### Factory Options -

- Unit can be fitted with -
- Multimode ST Tx
- Single Mode LED Tx (10dB budget)
- Single Mode Laser Tx (18dB budget)
- 48Vdc Powered version available for Batt supplies