

AS2478 - MM Fibre to ROLI / RILO Rack mount Card

Bi-Directional Conversion

Single Extended Eurocard

Shelf Mounted

Description

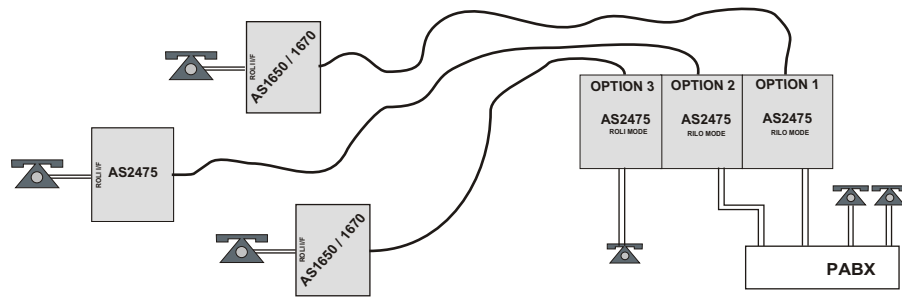
The fibre to ROLI/RILO signalling adaptor can provide conversion for both signal variants on the one PCB. The unit can also be configured for operating on Singlemode or Multimode Fibre. The units can be connected as shown below to provide a long line extension or hotline facility between two handsets in a lift to ring configuration. Local signal connections and DC power are presented on a DIN41612, fibre is via ST connectors. Future options include input for low speed data over speech (evacuation and status signalling).

Setup

If the fibre line length will be greater than 1km then Lk4 on the board should be set to HI (High Power). To set up board as ROLI or RILO, the appropriate connections should be selected and the switch set accordingly.
SW2-1 ON = ROLI & SW2-1 OFF = RILO

Operation

The lamps on the unit facia reflect the operation of the line-side connection (fibre). In IDLE the Carrier lamp will be ON solid GRN (this shows that a carrier is being received). When an outgoing call is created the Tx/Rx lamp will flash RED, when an incoming call is received the lamp will flash RED.



Dimensions: 250x100x25mm
 Weight: 225g

Input Power: 24Vdc

Environmental

Operating Temp: 0 to 40deg C
 Storage Temp: 0 to 70deg C
 Relative Humidity: 5% to 90% non-condensing

EMC & Safety Compliance

Safety: EN60950
 Emissions: EN55022
 Immunity: EN50082-1

Configuration Options

Option 1 - Long line extension with rack mount AS2475 at host location in RILO mode and AS1670 at remote in ROLI mode.

Option 2 - Multiple LLE with PABX connection and remote teles via AS2475s.

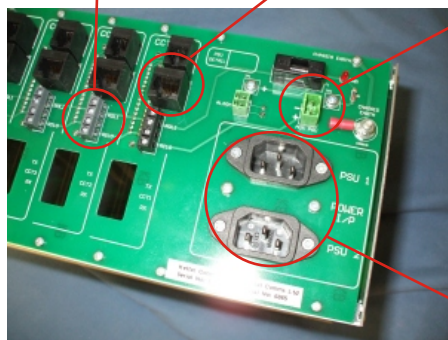
Option 3 - Hotline facility between an AS2475 at the host site in ROLI mode and an AS1670 at the remote location in ROLI mode.

SEE OPTION DIAGRAMS OPPOSITE

OPTIONAL SCREW TERMS FOR ROLI/RILO CONNECTION

RJ45 for ROLI/RILO CONNECTION

OPTIONAL DC VOLTS INPUT

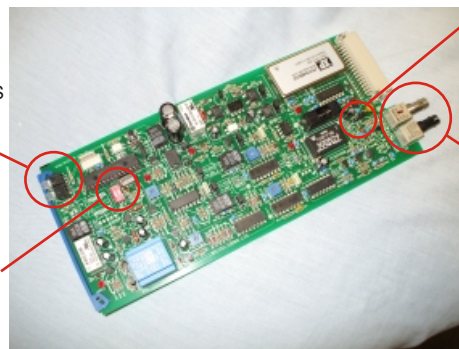


MAINS INLETS FOR INTEGRAL PSUs

BACKPLANE VIEW

CALL STATUS LAMPS

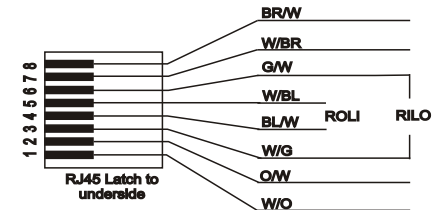
ROLI/RILO SELECT



AS2475 PCB VIEW

FIBRE POWER TO LINE

Tx/Rx FIBRES TO LINE (SINGLEMODE SHOWN)



RJ45 - CONNECTION DETAIL

CONNECTIONS CAN ALSO BE MADE TO THE SCREW TERMINALS BENEATH THE RJ45.