Technical Data

MLS CABLE: 1.5mm^2 unscreened twisted-pair: see Application Note AN4001

SWITCH INPUT CABLE: Any mains-rated cable, e.g. 0.5mm^2 two-core

OPERATING VOLTAGE: 230V 50Hz (UK & Europe)

PRODUCT RATING & RECOMMENDED CIRCUIT PROTECTION: 10 Amps

POWER CONSUMPTION: <10W

MAX DEVICES PER RB2000LT: 100 (MLSLCP4 counts as 2 nodes)

WEIGHT: 112g

SIZE: 175mm x 125mm x 75mm

Ex-Or

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At the end of their useful life the packaging and product should be disposed of via a suitable recycling centre.
Do not dispose of with normal household waste.
Do not burn.

CE

W4159C

Ex-Or

Making light work

RB2000LT
MLS Bus Power Supply - 'Lite'

Installation and Commissioning Instructions

(Please read these instructions fully before installation)

RB2000LT - MLS Bus Power Supply - 'Lite'

Only suitably qualified personnel should install this equipment.

The RB2000LT powers and synchronises the MLS Bus for up to 100 MLS devices. Wall switch inputs allow simple dimming and on/off control over suitably programmed devices in the system. There is no provision to link multiple RB2000LTs together.

Fixing

The RB2000LT is supplied in a protective housing which should be mounted where it is accessible for commissioning purposes.

Connection

It is imperative that the MLS bus is wired with the correct type of cable; normally it should be 1.5mm^2 unscreened twisted pair. Please read Application Note AN4001 for more details. As the MLS Bus is polarity-conscious, care must be taken to maintain polarity throughout.

Do not connect mains to the MLS bus as this will cause irreversible damage to all devices in the system.

The mains supply, MLS bus and switch input terminals are suitable for 1 x 4mm^2 or 2 x 2.5mm^2 cable.

Centre-off, three-way, momentary wall switches should be connected to the 'Wall Switch' UP and DOWN terminals. Centre-off, three-way, latching wall switches should be connected to the ON and OFF terminals. Each command actioned by the switch is addressed to all devices programmed to operate on either Zone 1 or Zone 2 of the MLS Bus System. All other Zones remain unaffected by the switch inputs.

Important Additional Notes

1. All terminals on this product are provided for final connections. It is not intended that the product be used as a junction box for looping cables.
2. A means for disconnection must be incorporated in the fixed wiring in accordance with the current wiring regulations.

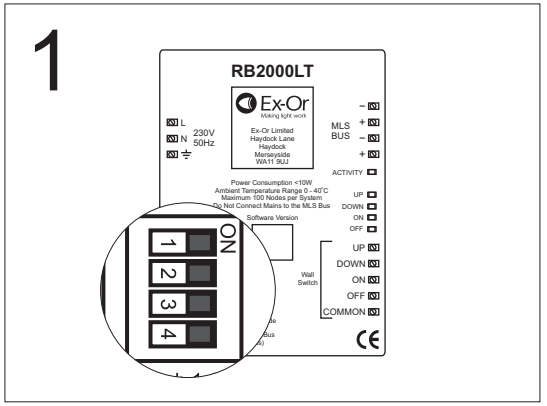
Commissioning

The RB2000LT has two modes of operation, depending on what range of equipment the unit is being used in conjunction with.

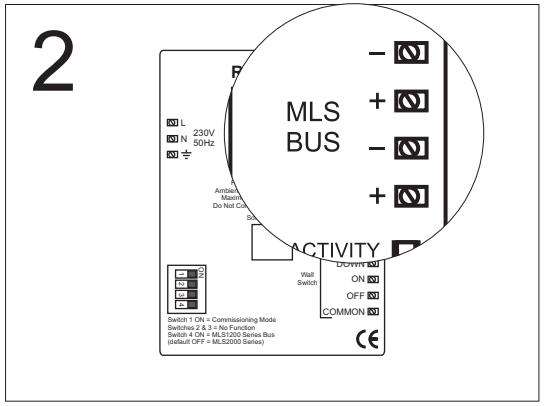
Located at the bottom, left-hand corner of the unit is a four-way DIL switch. Switch number 4 determines what bus type is being used. For 1200 Series detectors and equipment (e.g. MLS1200DIS) this switch should be set in the ON position. By default it is set to OFF - for use with 2000 Series equipment (e.g. MLS2000PF).

Switch number 1, when set in the ON position, allows the RB2000LT to operate in 'Commissioning' mode. In this state, any detector or device in the system which is programmed to any zone (via an HP2000) can then be turned OFF by infrared override. This override command will filter down to every device in the system enabling the operator to see that the bus cabling is installed and functioning correctly.

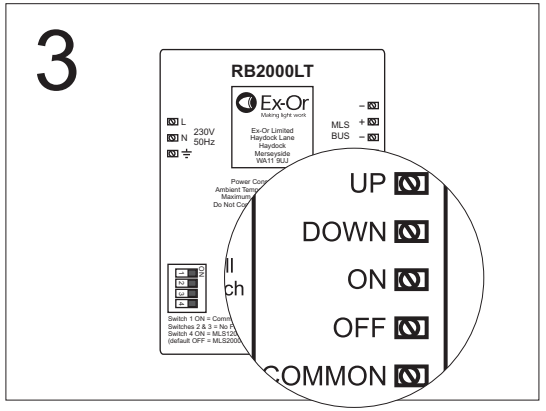
Switches 2 and 3 have no function.



1. 4-way DIL switch. All switches set to OFF by default. Switch 1 enables commissioning mode; Switch 4 determines bus type. Switches 2 and 3 - no function.



2. MLS Bus connections. Do NOT connect mains to the MLS Bus. Polarity must be maintained.



3. Switch input connections.