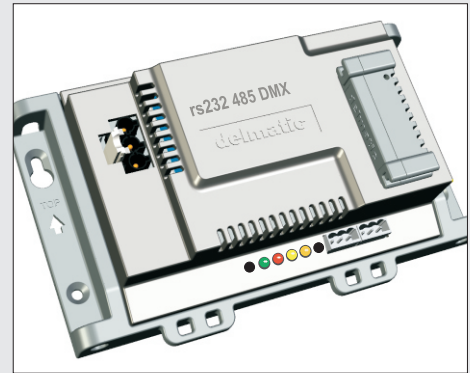


delmatic metro RS232/485/DMX interface

The **RS 232 / 485 / DMX interface unit** seamlessly interfaces the lighting control network with other devices via RS 232, RS 485 or DMX protocols.

In **RS 232** mode, the interface receives and transmits signals between the lighting management modules and systems such as audio visual controls. Scene commands initiated by the AV system are received by the interface and activate preset lighting scenes & moods: scenes selected from Delmatic scene-set panels, infra-red transmitters, touchpads & touchpanels route via the interface to the AV system to trigger audio visual functions.

In **DMX** mode, the interface provides integrated control of DMX light sources enabling DMX lighting in front-of-house areas, meeting and conference rooms, and building façades etc to be controlled as part of the lighting management network, activated by switches, sensors and scene-set panels and configurable through the graphical head-end software.



metro RS232/485/DMX interface

product ref: 215A1 - RS 232 interface

product ref: 216A1 - DMX (485) interface

technical details

supply 1 x 220-240V~ 50/60 Hz single phase circuit to power module.
(3 pin plug-in mains input connector supplied)

protection module requires external protection by 10A MCB.

RS232 interface 9,600 Baud (maximum 57,600 Baud) ASCII protocol.
one D-type port for RS232 connection.

RS485 interface 9,600 Baud (maximum 57,600 Baud) ASCII protocol.
one 3-pin port for RS485 connection (max. 1.5 sq.mm cable).

DMX interface 250,000 Baud.
one 3-pin port for DMX connection (max. 1.5 sq.mm cable).

Lon bus 2 plug-in ports for twisted pair Lon bus connection.
(max. 1.5 sq.mm cable).

Lon cable
330 V rms twisted pair Belden 7701NH unshielded 22 AWG stranded
600 V rms twisted pair Belcom 4001P22S54LSZH unshielded 22 AWG solid

dimensions (mm)
225 w x 133 h x 66 d

100mm depth including mains plug

construction
flame-retardant low smoke moulded housing

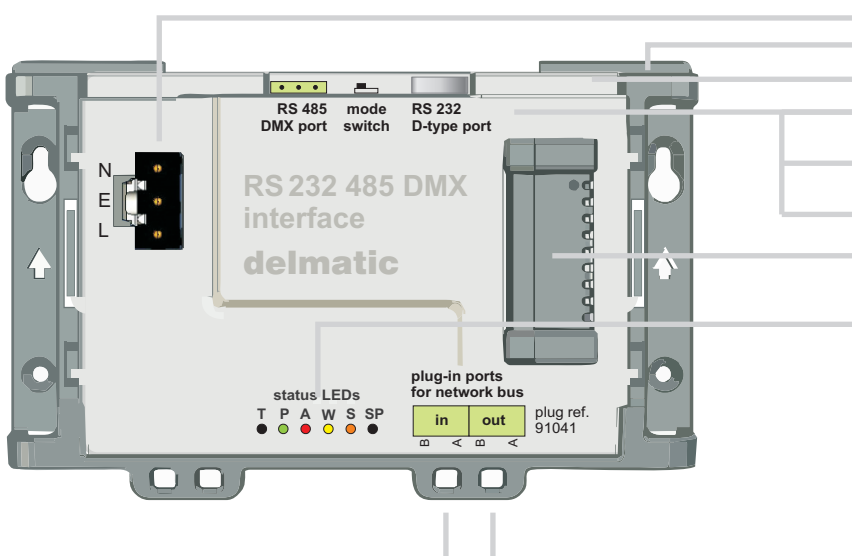
ambient temperature / relative humidity
0 to +50°C / 20% to 90% non condensing

mounting
The module is designed for wall or soffit mounting using four M5 screw fixings or two 8mm droprods.

Lon specifications
Echelon LonWorks FT5000 Neuron
FTX3 free topology transceiver
64kb EEPROM
Conforms to LonMark 3.4 guidelines and profiles



module features



- plug-in mains input** (plug supplied with module)
- first-fix frame
- clip in module
- DMX / RS485 port**
3-pin port for DMX connection (max 1.5 sq.mm cable).
- RS 232 port**
one D-type port for RS232 connection.
- mode switch** selects RS232 or RS485/DMX mode
- plug-in intelligent Lon capsule** (80-003) provides distributed intelligence, stores operational parameters & enables seamless integration with other Lon devices
- diagnostic LEDs and service pin**
- Test pin** initiates test functions
- Power LED** - indicates module is powered up
- Alert LED** - bicolour LED indicate status and comms
- Wink LED** - winks when instructed by software
- Service LED** - lights when service pin pressed and flashes if module has no application software
- SP service pin** - uploads module address
- Lon bus** - plug-in terminals for connection of two core bus (from router or previous module & to next module).

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