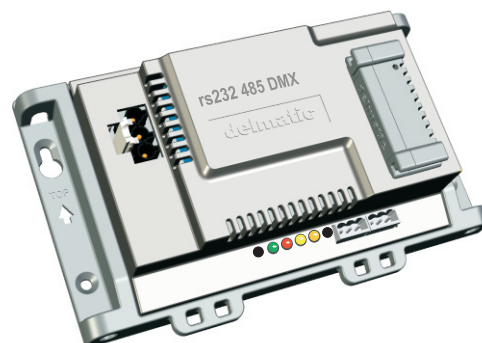# RS232 / 485 / DMX Interface

delmatic

product ref: 215A1 - RS 232 interface

product ref: 216A1 - DMX (485) interface

The RS 232 / 485 / DMX interface unit seamlessly interfaces the lighting control network with other devices via RS232, RS 485 or DMX protocols.

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

In DMX mode, the interface provides integrated control of DMX light sources enabling DMX lighting in front-of-house areas 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 software.

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).
buswire specification	for latest buswire specifications and cable lengths refer to Buswire Specification data sheet

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℃ / 20% to 90% non condensing

mounting
The module is designed for wall or soffit mounting using four M5 screw fixings or two 8mm droprods.
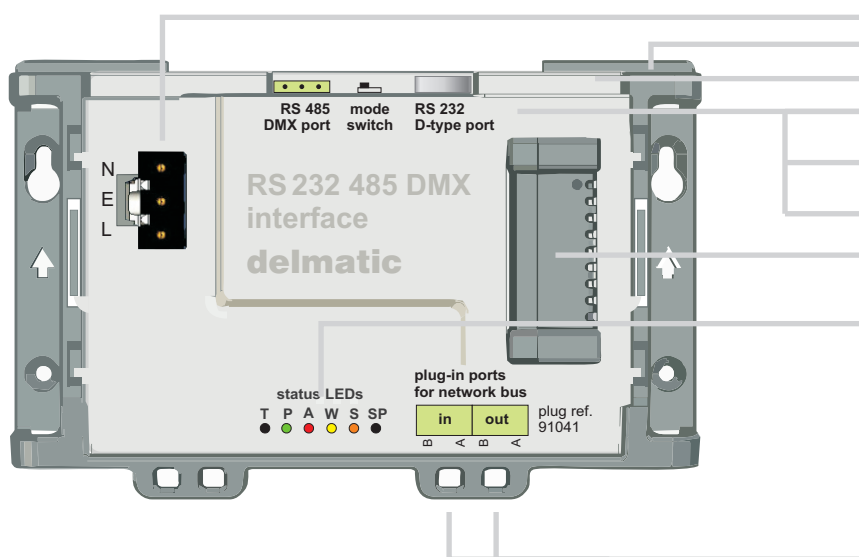
Lon specifications
Echelon LonWorks FT5000 Neuron
FTX3 free topology transceiver
64kb EEPROM
Conforms to LonMark 3.4 guidelines and profiles

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 pod (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).