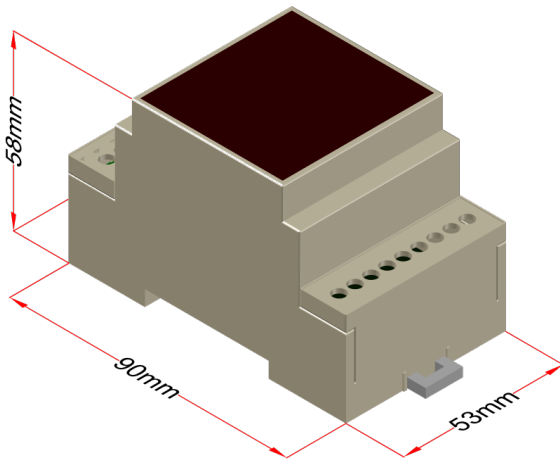


AV INTERFACE

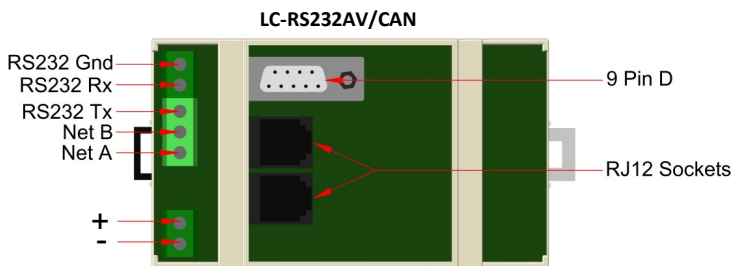


The DaliLUX RS232AV/CAN and RS232AV/DALI provide an interface between the lighting control system and devices with an RS232 port such as audio/video equipment. The RS232AV/CAN controls via a local CAN bus, and in the RS232AV/DALI version, via DALI, which can be connected to a 2-wire or 4-wire DALI network without the need for a power module. For ease of installation, both models are supplied in DIN-rail enclosures.

Both screw terminals and a 9-pin D-connector are provided, and when used on a DALI sub-address line, one address is required for both the DALI and CAN versions.

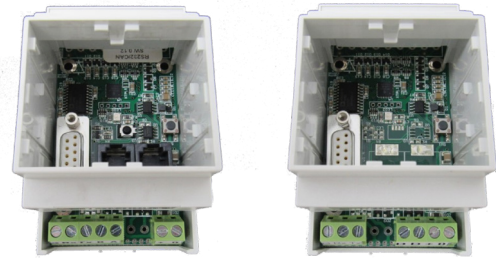


Wiring Instructions (wired with can bus standard cables)



Supply voltage	10-18 VDC
Power Consumption	150mW
Max number of devices (2 Wire DALI)	8
Max number of devices (4 Wire DALI)	15
Max number of devices (CAN BUS)	15
Maximum humidity	90% CH (non-condensing)

Part Number: DLLX-RS232AV/CAN DLLX-RS232AV/DALI



AV Interface Serial Protocol, rel. 1.2

All commands shall have the format:
 $\$ \langle \text{cmd} \rangle \langle \text{parameter 1} \rangle [\langle \text{parameter n} \rangle] * \langle \text{checksum} \rangle \langle \text{CRLF} \rangle$
cmd is a 2 character message type identifier
parameter (1 or more) as defined by the message type
checksum has a 2 byte hex value, calculated by XORing the ASCII value of all the characters between '\$' and ''*

CRLF terminates the message along with a carriage return (0x0D / '\r', etc) followed by a line feed (0x0A / '\n', etc)

Serial port configuration is: 57600 baud, 8 data bits, no parity, 1 stop bit.
 The AV interface can receive the following messages from the AV unit:
 Select Scene Command

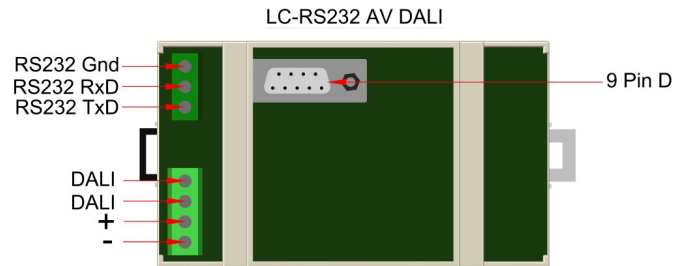
cmd = "SS"
p1 = scene plate ID (1-63)
p2 = selected scene (1-16)

e.g.: \$SS,01*01<crLf>
 \$SS,13*02<crLf>

This message is sent once per button press – when the button is released.
 All messages are replied to with an acknowledgement

cmd = "AK" for successful receipt of message or
cmd = "NK" if there was an error (i.e. unknown cmd or bad checksum)

e.g.: \$SS,01*01<crLf>
 \$SS,13*02<crLf>



RS232 Connection	3 Way Screw terminal and 9PIN D-Type
Serial Port Configuration	57600 baud, 8 data bits, no parity, 1 stop bit
CAN Connection	2-way screw terminal, 2xRJ12
Power Connection	2-way screw terminal
Power Connection	2-way screw terminal
Temperature Range	-10°C to +50°C

IMPORTANT: Information contained in this datasheet is subject to change at any time without notice.
 Installation guides are available - call us on 020 087 8084.