



DATA SHEET

RS232 AV INTERFACE

LC-RS232AV

LC-RS232AVDALI



The **ecoLUX** RS232AV and RS232AVDALI provide an interface between the lighting control system and devices with an RS232 port such as audio/video equipment.

The RS232AV controls via a local CAN bus, and in the RS232AVDALI version, via DALI, which can be connected to a 2-wire or 4-wire DALI network without the need for a power module.

Both screw terminals and a 9-pin D-connector, are provided, and when used on a DALI sub-address line, 1 address is required for both the DALI and CAN versions.

For ease of installation, both models are supplied in DIN-rail enclosures.

IMPORTANT: The information contained in this data sheet is subject to change at any time without notice

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TECHNICAL SPECIFICATIONS

LC-RS232AV

LC-RS232AVDALI

RS232 AV Interface

AV Interface Serial Protocol, rel. 1.2

All commands shall have the format:

\$<cmd>,<parameter 1>[,<parameter n>]*<checksum><CRLF>

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,0,1*01<crLf>
\$SS,1,3*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.: \$AK*0A<crLf>
\$NK*05<crLf>

Note: The scene plate ID parameter is for future use and is not used.

Supply Voltage	10-18VDC
Power consumption	150mW
Maximum number of devices (2 wire connection) DALI	8
Maximum number of devices (4 wire connection) DALI	15
Maximum number of devices (CAN bus)	15
RS232 connection	3 way screw terminal, and 9 PIN D-type
Serial Port Configuration	57600 baud, 8 data bits, no parity, 1 stop bit
CAN connection	2-way screw terminal, 2 x RJ12
Power connection	2-way screw terminal
DALI Connection	2-way screw terminal
Temperature range	-10 to +50°C
Maximum humidity	90% CH [non-condensing]