

# Product Data Sheet

## AV RS232 Interface

**digidim**

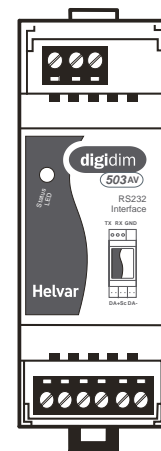
**503**

The Digidim 503 AV RS232 Interface is a DIN-rail mounted device which provides two-way communication between a serial RS232 port on a Personal Computer, or AV system, and:

- Digidim/DALI systems (whether standalone, or Toolbox or 924 programmed)
- 900 Lighting Router
- 910 Digidim Router
- 920 Imagine Router

The AV Interface enables external serial devices to have basic control over the system, as well as make basic queries on the system status. For this purpose, the system commands are documented and openly available from Helvar.

The AV Interface has full optical isolation between the system and the serial RS232 port.



### Installation

#### Key Features

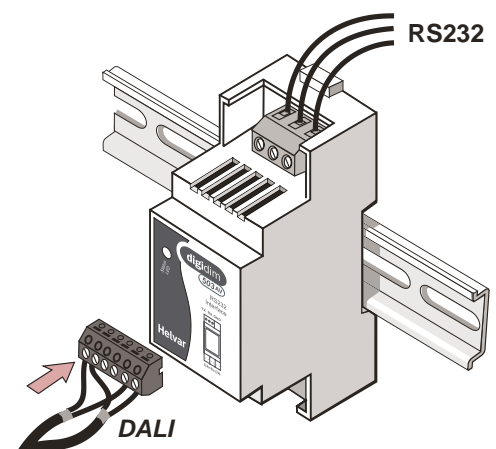
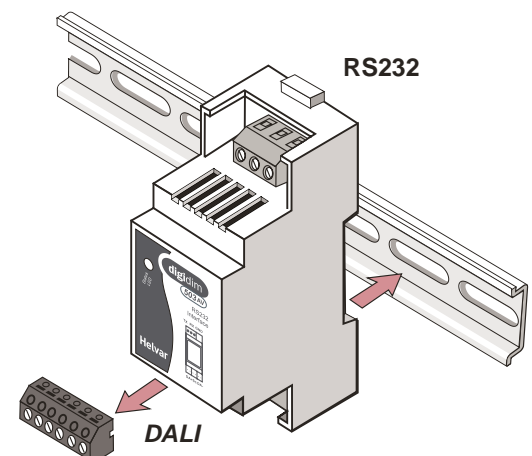
- Status LED
- Bi-directional serial interface for basic system monitoring and control
- Terminal blocks for DALI and RS232 wiring
- DALI Multi-Master

#### Applications

- System control from a graphical PC software application, for example a central control centre in a Casino
- Interfacing to high-end LCD touch panels (including AMX, Crestron and Philips Pronto) for architectural and residential applications

#### Installation Notes

- For installation in a restricted access location only
- Isolate the circuit before installation
- All DALI cabling must be 230 V mains rated
- Connect the AV Interface directly to the serial port of the external device



**Helvar**  
www.helvar.com

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## AV Interface

### Connections

DALI Cable:	2-wire 0.5 mm <sup>2</sup> to 1.5 mm <sup>2</sup> stranded (max. length 300 m)
RS232 Cable:	0.5 mm <sup>2</sup> to 2.5 mm <sup>2</sup> stranded / 0.5 mm <sup>2</sup> to 4.0 mm <sup>2</sup> solid

### Current Consumption

DALI Consumption:	15 mA
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### Mechanical Data

Dimensions:	90 mm (L) x 35 mm (W) x 58 mm (D)
Weight:	80 g

### Environment

Complies with WEEE and RoHS directives

### Operating Conditions

Ambient Temperature:	0...40°C
Relative Humidity:	90% max, non-condensing
Storage Temperature:	-10°C...+70°C

### Conformity & Standards

#### EMC

Emission:	EN 55 015
Immunity:	EN 61 547

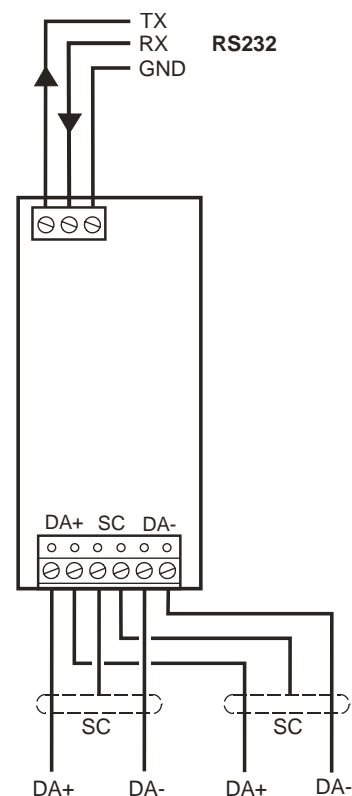
#### Safety

Safety:	EN 60 950
IP Rating:	30
Isolation:	4 kV

#### Data transfer requirements

DALI:	According to DALI standard V0 (IEC60929), with Helvar extensions
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### Connections



### Dimensions

