

iDim Solo (Interface Module)

The iDim Solo is used as an interface module to connect the iDim Sense (316 Standalone) and iDim ballasts as well as user interfaces. Additionally, the iDim Solo can be used as a DALI power supply unit (PSU). The unit is housed in a standard ballast-style enclosure (30 mm width x 21 mm height) making it fast and easy to assemble.

Key Features

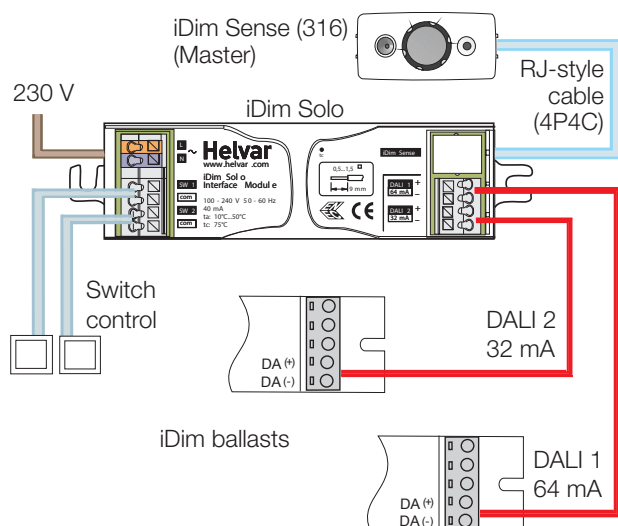
- Power capability: 64 mA (DALI 1), 32 mA (DALI 2) or 96 mA when operating in parallel
- 2 x DALI outputs
- 2 x Switch control inputs
- iDim Sense connection (RJ style, 4P4C)
- Mains connection



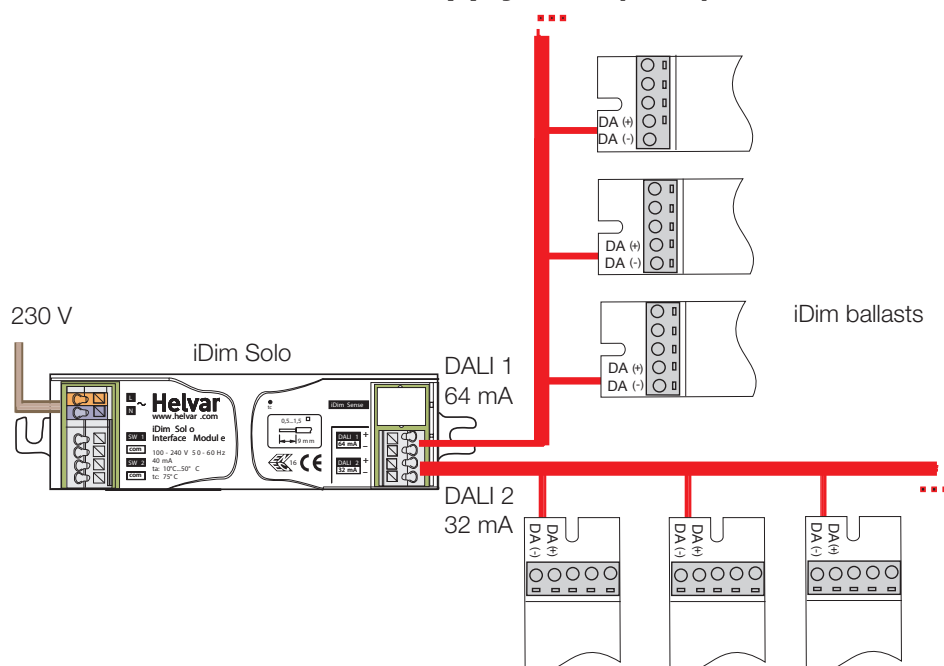
Installation Notes

- All cabling must be 230 VAC mains rated and considered live when used outside luminaire
- Isolate the mains supply before installation
- The external mains supply to the unit must be protected.
- Install in a restricted access location only, e.g. inside luminaire housing

iDim Solo as an Interface Module



iDim Solo as a Power Supply Unit (PSU)



Technical Data

Connections

Mains/DALI/Switch control: Wire size: 0.5 mm² - 1.5 mm²
Solid, flexible or stranded
Strip length: 9 mm

iDim Sense: RJ Style 4P4C crossover (max. 3 m)
Accessory cable available

Power cable rating: All cables must be mains rated

Power

Mains supply: 100 — 240 VAC, 50 — 60 Hz

Mains supply (absolute): 85 — 264 VAC, 45 — 65 Hz

Supply Current: 40 mA

Protection: Internally resettable fuse (PTC)

Inputs

Override input: 2 x Switch control (in combination with iDim Sense) max. length 50 m

Outputs

2 x DALI outputs:

DALI 1: 16 V nominal @ 2 to 64 mA

DALI 2: 16 V nominal @ 2 to 32 mA

Note: minimum 2 mA load required on one output only.

Mechanical Data

Dimensions: 121 x 30 x 21 mm
(incl. screw clips)

Material (casing): Fire-retardant polycarbonate

Colour: White (RAL 9016)

IP rating: IP 30

Weight: 40 g

Isolation: 4 kV

Operating Conditions

Ambient temperature: +10°C to +50°C

Relative humidity: Max 90%, non-condensing

Storage temperature: -25°C to +75°C

Conformity and Standards

EMC: Emission: EN 55015

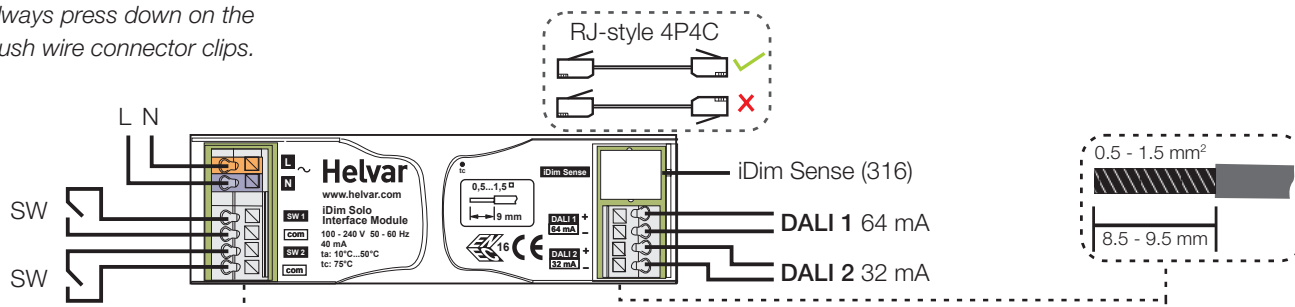
Immunity: EN 61547

Safety: EN 61347

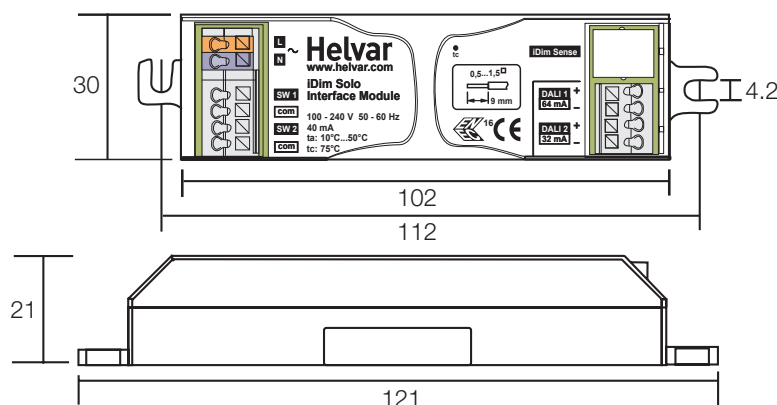
Environment: Complies with WEEE and RoHS directives

Connections

Note: To remove DALI wiring, always press down on the push wire connector clips.



Dimensions (mm)



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