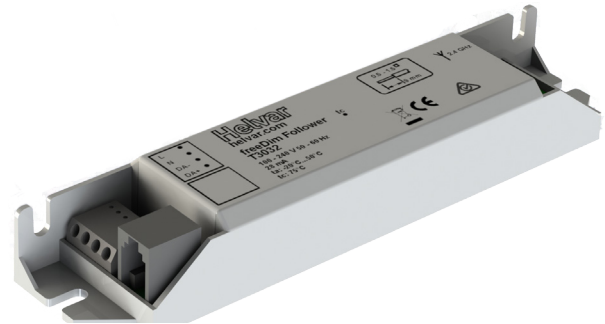# freeDim Follower (FD-2101)

The freeDim Follower controls additional loads for Helvar's freeDim lighting control solution for personalised lighting control.

The unit is wirelessly controlled by the freeDim Master. Up to 10 freeDim Followers can be connected to each freeDim Master.
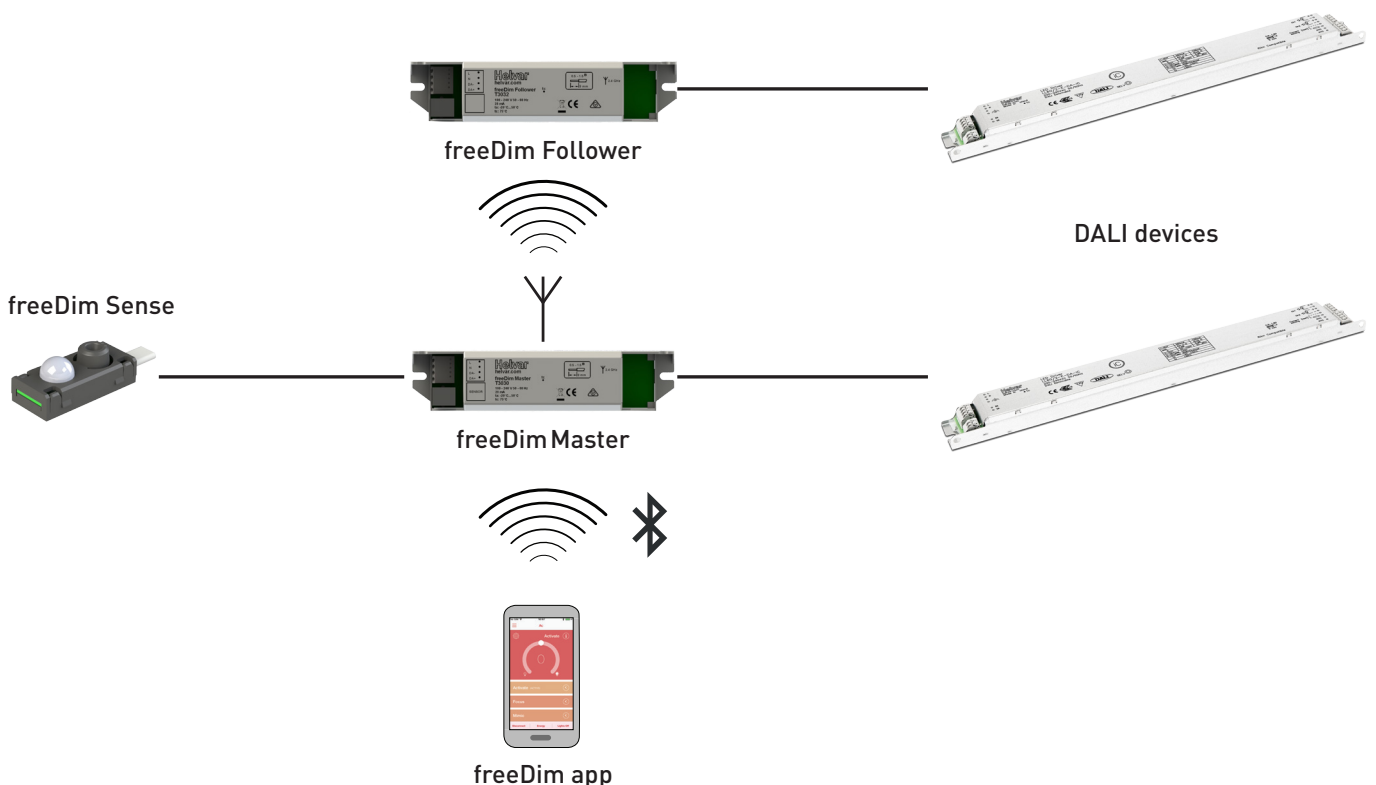
The freeDim Follower uses the information provided by the freeDim Master to intelligently control lighting levels and reduce energy usage.

It receives commands from freeDim Master and forwards them to a compliant DALI load device, such as a ballast or an LED driver. This DALI device adjusts the lighting to the required intensity and colour temperature.

Key Features

- Improved lighting control using DALI Type 8 protocol (colour temperature).
- Capable of increased energy savings through daylight harvesting and presence detection.
- Provides various dynamic lighting sequences and scenes.
- User-defined profiles stored in freeDim Master.
- Four predefined scenes and two user-defined scenes.
- Changes intensity and colour temperature over the time of day (circadian rhythm).
- Smart setup and control by the freeDim app supported on Bluetooth®-enabled devices.

freeDim Follower

DALI devices

freeDim Sense

freeDim Master

freeDim app

Bluetooth® is a registered trademark of Bluetooth SIG, Inc

Technical Data

Electrical data

Mains (L/N) : 100 VAC – 240 VAC (nominal), 50Hz – 60 Hz, 28 mA max.

DALI (DA+, DA–) : Max. 8 mA supply (basic insulated, use mains-rated cabling). Suitable for controlling up to 4 devices.

Cable (mains and DALI): Mains rated, 0.5 mm² – 1.5 mm² solid, stripped, 8 mm – 9 mm

Mechanical data

Case: Nonflammable ABS Blend (UL94–V0)

Dimensions: 147 mm × 35 mm × 22 mm

Weight: 250 g

Power ratio and frequency

802.15.4 wireless: Integral antenna –2 dBm max. at 2.4 GHz, channels 15 and 25
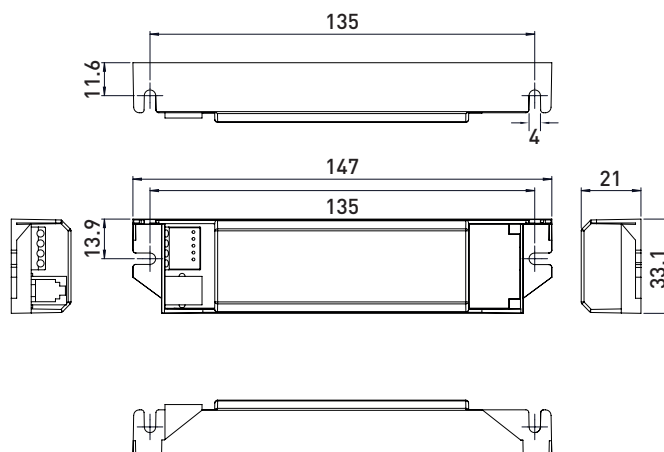
Operating and storage conditions

Operating temperature: 0 °C to +50 °C

Storage temperature: –40 °C to +80 °C

Relative humidity: 90% max., noncondensing

tc +75 °C

Conformity and standards

DALI standards: IEC 62386-101
IEC 62386-209

EMC emissions: EN 301489-1
EN 301489-17
EN 55015

EMC immunity: EN 61547

R&TTE directive : EN 300328

Safety: EN 61347-2-11

Environment: Complies with WEEE and RoHS Directives.

Dimensions (mm)

Connections