

# 11xD2 and 13xxD2 Modular Panels

The 11xD2 and 13xxD2 modular panels are a DALI-2 certified range of user interfaces for Helvar's Imagine solution. The range provides panels with a variety of different slider (11xD2) and button (13xxD2) layouts, fitted with LED indicators and an infra-red receiver\* that gives the option of remote operation using hand-held remote controls.

\* Infra-red receiver for 13xxD2 only

## Key Features

- Choice of anthracite grey (B) or white (W) modules.
- Easily reconfigured and programmable using Helvar Designer.
- Designed to fit DIN and UK standard back boxes.
- Double-gang version can take three independent modules.
- Customized versions available upon request. Contact your local Helvar representative for further information.
- DALI-2 certified input devices.



## Product Range

Single - 110D2



131WD2



131BD2



132WD2



132BD2



134WD2



134BD2



Double - 111D2



135WD2



135BD2



136WD2



136BD2



137WD2



137BD2

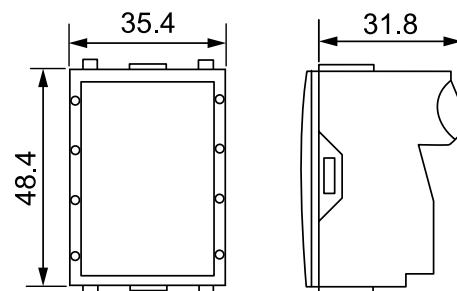
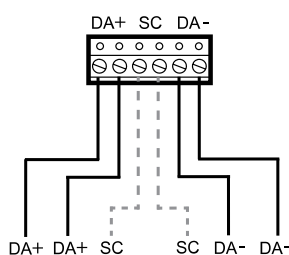
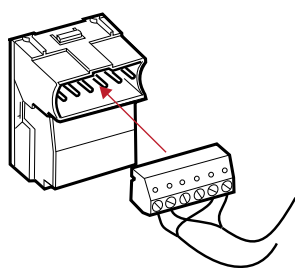


| Module Function                     | Product Code White | Product Code Black |
|-------------------------------------|--------------------|--------------------|
| Single Slider                       | 110D2              | 110D2              |
| Double Slider                       | 111D2              | 111D2              |
| On / Off (2 buttons)                | 131WD2             | 131BD2             |
| Raise/Lower (2 buttons)             | 132WD2             | 132BD2             |
| 4 scenes + Off (5 buttons)          | 134WD2             | 134BD2             |
| 4 scenes, Off + Up/Down (7 buttons) | 135WD2             | 135BD2             |
| 7 scenes + Off (8 buttons)          | 136WD2             | 136BD2             |
| 4 scenes (4 buttons)                | 137WD2             | 137BD2             |

|                     | Single-gang frame | Double-gang frame |
|---------------------|-------------------|-------------------|
| White Plastic       | 230S              | 230D              |
| Polished Brass      | 231S              | 231D              |
| Stainless Steel     | 232S              | 232D              |
| Painted White Metal | 234S              | 234D              |
| Black Plastic       | 235S              | 235D              |



## Connections and Dimensions (mm)



Note: Ensure each connector is fully inserted into the modular panel.

## Technical Data

| Connections   |   |
|---------------|---|
| DALI cable:   | Removable connector block<br>Wire size: 0.5 mm <sup>2</sup> – 1.5 mm <sup>2</sup> solid or stranded |
| Cable rating: | All cables must be mains rated.   |

| Mechanical data |  |
|-----------------|--|
| Dimensions:     | 35.4 mm × 48.4 mm × 31.8 mm                    |
| Module weight:  | 41 g with DALI connector                       |
| IP rating:      | IP30   |
| Colour:         | White (RAL 9003)<br>Anthracite Grey (RAL 7016) |

| Power              |               |
|--------------------|---------------|
| DALI supply input: | 12 V – 22.5 V |
| DALI consumption:  | 10 mA max     |

| Operation      |                        |
|----------------|------------------------|
| IR frequency:  | 36 kHz (11xD2 - no IR) |
| Start-up time: | ≤ 500 ms               |

| Operating and storage conditions |                          |
|----------------------------------|--------------------------|
| Ambient temperature:             | 0 °C to +40 °C           |
| Relative humidity:               | Max. 90 %, noncondensing |
| Storage temperature:             | -10 °C to +70 °C         |

| Conformity and standards |  |
|--------------------------|--|
| Conformity:              |  |
| EMC emission:            | EN 55015   |
| EMC immunity:            | EN 61547   |
| Safety:                  | EN 61347-2-11  |
| Environment:             | Complies with WEEE and RoHS directives.  |
| DALI:                    | IEC62386, Parts 101, 103, 301 and 302<br>11xD2 only for 302<br>13xxD2 only for 301 |

| Compatibility |   |
|---------------|---|
| Router(s):    | 950   |
| Designer:     | For 11xD2: 5.8.4 or later<br>For 13xxD2: 5.8.2 or later |