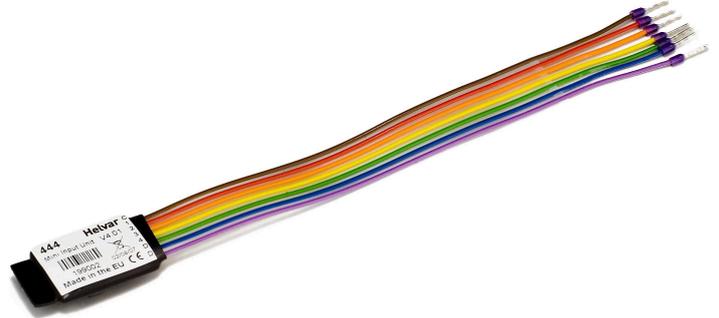


# 444D2 Mini Input Unit

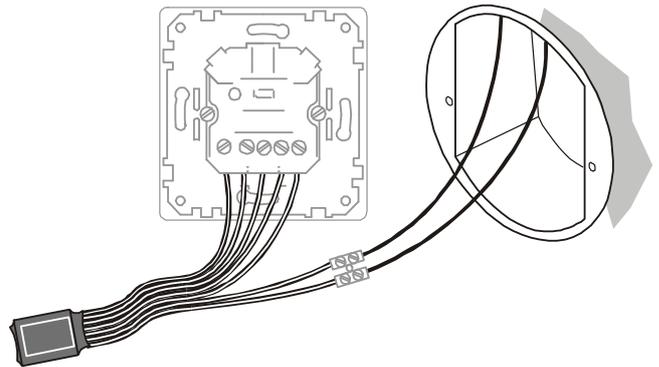
The Mini Input Unit is a DALI-2 certified interface, designed to allow customer specified switches, sensors, time clocks or other on/off control devices to be incorporated into a lighting control system.

The Mini Input Unit is a small, prewired, encapsulated printed circuit board and is suitable for inclusion into all standard size back boxes together with a suitable mains-rated switch.



## Key Features

- Preconfigured with touch dimmer inputs for two groups
- Fits into all standard size back boxes and architrave style back boxes
- Touch dimming with a momentary push switch
- Can be used with momentary or latching switches
- Fully programmable using Designer software



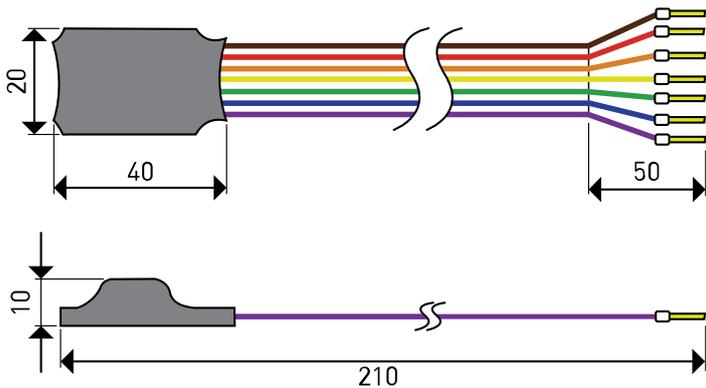
A Mini Input Unit used with a four-gang mains switch in a single-gang back box

## Default Functions



- Brown - Common
- Red - Input 1
- Orange - Input 2
- Yellow - Input 3
- Green - Input 4
- Blue - DALI +
- Violet - DALI -

## Dimensions (mm)



## Technical Data

### Connections

|                               |   |
|-------------------------------|---|
| Inputs:                       | 4 inputs (active low)<br>COM: input ground                                  |
| Overload protection:          | -0.3 to +3.6 V  |
| Short-circuit current:        | 0.5 mA maximum  |
| Debounce period:              | 50 ms   |
| Voltage-free switched inputs: | 3.3 V nominal with switch open, must be less than 0.3 V with switch closed. |

### Cable requirements

DALI: DALI Ribbon cable terminated with 1.2 mm ferrules

Cable length: 170 mm

**Note:** Do not increase the length of the wires. This can cause interference problems.

### Electrical data

|                    |   |
|--------------------|---|
| DALI supply input: | 12–22.5 V   |
| DALI Consumption:  | 10 mA   |
| Isolation:         | No isolation from DALI network:<br>Switches must provide supplementary isolation for 250 V. |

### Operating and storage conditions

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

### Mechanical data

|             |  |
|-------------|--|
| Dimensions: | Encapsulated printed circuit board                     |
| Mounting:   | For installation in a suitably enclosed location only. |
| Weight:     | 10 g   |
| IP rating:  | IP20   |

### Conformity and standards

|               |  |
|---------------|--|
| Conformity:   |  |
| EMC emission: | EN 55015                                       |
| EMC immunity: | EN 61547                                       |
| DALI:         | IEC 62386, Parts 101, 103 and 301              |
| Safety:       | EN 61347-2-11                                  |
| Environment:  | Complies with WEEE, RoHS and REACH directives. |

### Compatibility

|           |                            |
|-----------|----------------------------|
| Device:   | 950 Application Controller |
| Designer: | 5.8.4 or later             |