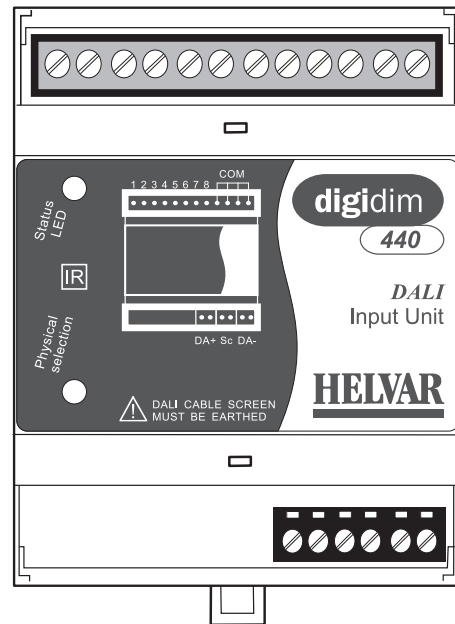# digidim

Input Unit (440)

The DIGIDIM Input Unit is a DALI-compatible interface designed to allow customer specified switches, sensors, time clocks or other on/off control devices to be incorporated into a DIGIDIM lighting control system. It has 8 volt-free inputs, which can be either momentary or latching, permitting the selection of DALI commands.

Helvar

freedom in lighting

CE

Key Features

- Out-of-box operation using the default functions shown:

Switch 1	Recall Scene 1
Switch 2	Recall Scene 2
Switch 3	Recall Scene 3
Switch 4	Recall Scene 4
Switch 5	Raise light level
Switch 6	Lower light level
Switch 7	Maximum light level
Switch 8	Off

- Status LED gives visual indication of units current operational mode: normal operation, initialisation, physical selection or input activation.
- Physical/Mode selection switch.
- Can be used with momentary or latching switches.
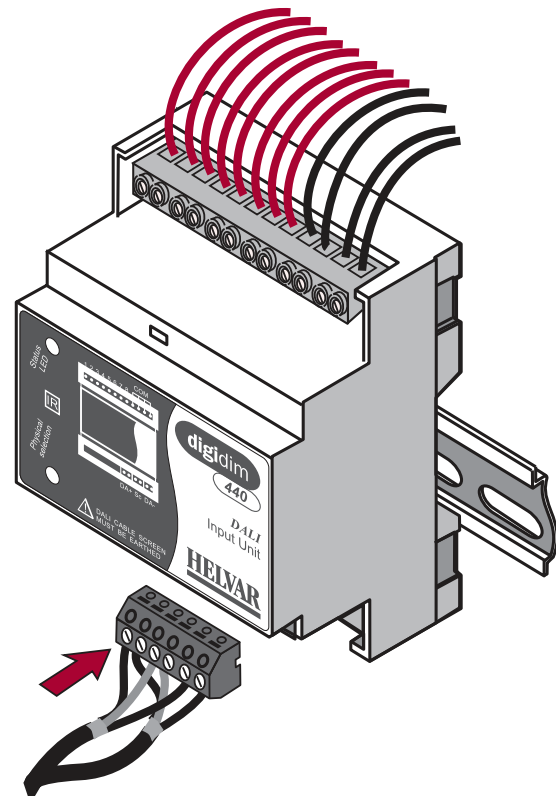- Fully programmable using DIGIDIM Toolbox software.

DIGIDIM Input Unit

Installation Notes

- The screen (SC) connection on this unit must be connected to earth to ensure correct operation.
- No more than 50 m of cable should be used between the actuating switch and the input to the unit.

Connections

Technical Data

Voltage-free Switched Inputs

Connections:	1–8 inputs (active low) COM Input Ground* * If required, these connections can be externally linked to provide a common connection
Voltage pins 1–8:	5 V nominal with switch open, must be less than 2 V switch closed
Overload protection:	± 35 V
Short-circuit current:	0.5 mA maximum
Debounce period:	50 ms

Connections

DALI:	Standard DIGIDIM terminal block, up to 1.5 mm² solid or stranded
Inputs:	Up to 4 mm² solid core or up to 2.5 mm² stranded. Maximum cable length should not exceed 50 m on each input.

Power

DALI supply output:	None (Use external DALI power supply)
DALI consumption:	10 mA

Mechanical data

Dimensions:	DIN-rail case 70 mm wide
Weight:	110 g
IP code:	IP20

Operating conditions

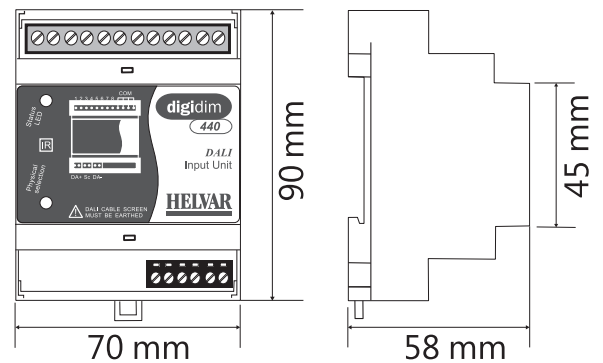|	
Ambient temperature:	0 °C to +35 °C
Relative humidity:	Max. 90 %, noncondensing
Storage temperature:	–10 °C to +70 °C

Conformity and standards

EMC emission:	EN 55015
EMC immunity:	EN 61547
Safety:	EN 60950
Isolation:	4 kV
Environment:	Complies with WEEE and RoHS directives

Dimensions

90 mm 45 mm 70 mm 58 mm

Connections

50 m

DA+   DA-   DA+   DA-