

Product data sheet *Imagine*

942 Input Unit

The Imagine Input Unit is an interface designed to allow customer specified switches, sensors, time clocks or other on/off control devices to be incorporated into an Imagine lighting control system. The Input unit also accepts inputs from 0 - 10 V analogue devices.

It has 8 volt-free switch inputs which may be either momentary or latching, the resulting action of the input is programmable or may be used as logical condition inputs.

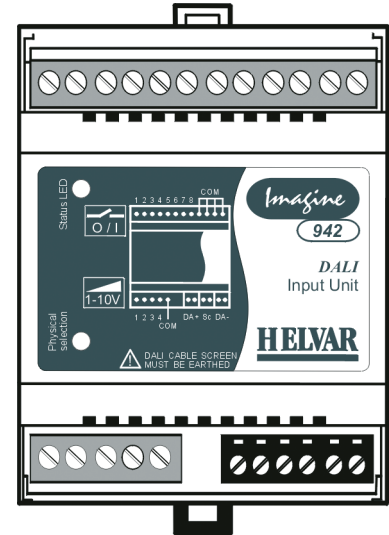
Inputs 1 - 4 may be configured as 0 - 10V analogue inputs, permitting, for example, the connection of light sensors to act as scene triggers or as condition inputs.

Key Features

- Status LED gives visual indication of units current operational mode, either: normal operation, initialisation, physical selection or input activation.
- Physical selection switch.
- Can be used with momentary or latching switches.
- Can be used with 0 - 10 Volt analogue devices.
- Fully programmable using Imagine Workshop software.
- Can be used with time clocks.

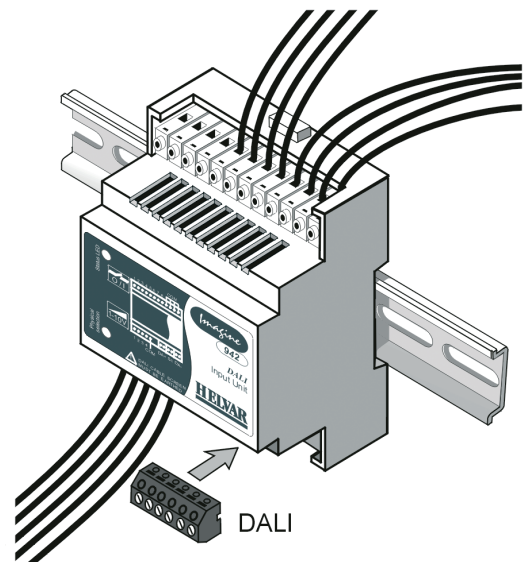
Installation Notes

- The screen (SC) connection on this unit must be connected to earth to ensure correct operation.
- No more than 50 metres of cable should be used between the actuating switch and the input to the unit.
- The analogue inputs require externally sourced 0 - 10 V DC.
- Shielded cable should be used in electrically noisy environments.



Imagine Input Unit

Connection Details



Product data sheet *Imagine*

942 Input Unit

Technical Data

Voltage-free Switched Inputs

Connections:	1-8	Inputs (active low)
	COM	Input Ground
Voltage on Pins 1-8:	5 V nominal with switch open, must be less than 2 V switch closed.	
Over Voltage Protection:	±35 V	
Short-circuit Current:	0.5 mA maximum	
Debounce Period:	50 ms	

Analogue Inputs

Analogue Connections:	1-4	Inputs
	COM	Input Ground
Input Range:	0 -10 V	
Over Voltage Protection:	±15 V	
Input Impedance:	7.5 kilohm	
Settling Time:	10 ms	
Response Time:	50 ms	

Power

Power Supply:	Powered from the DALI bus	
Consumption:	10 mA	

Operating Conditions

Ambient Temperature:	0° C...40° C	
Relative Humidity:	90 % max, non-condensing	
Storage Temp:	-10° C...+70° C	

Mechanical Data

Housing:	DIN-rail case 70 mm wide	
Weight:	110 g	

Conformity & Standards

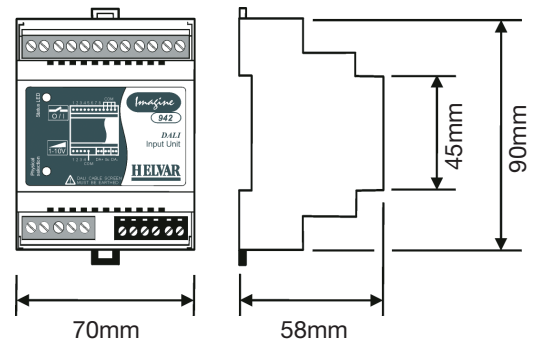
EMC

Emission:	EN 55 081	
Immunity:	EN 61 547	

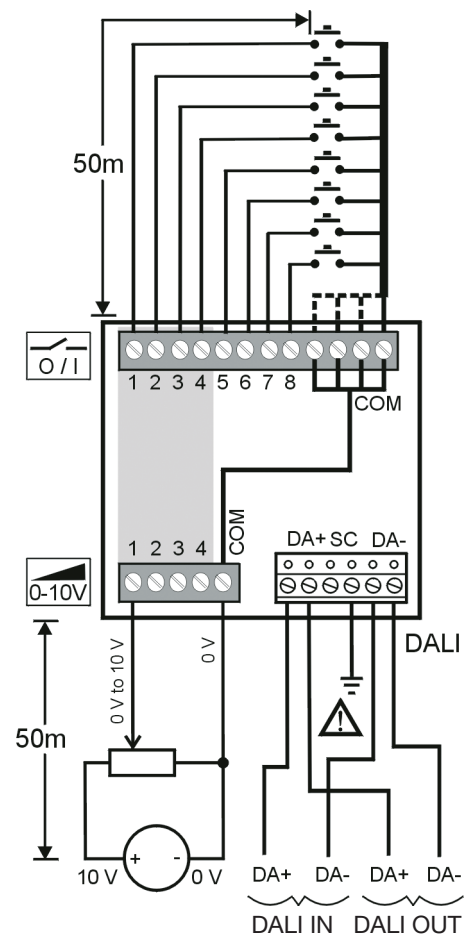
Safety

Safety:	EN 60 950	
Case IP Rating:	30	
Terminal IP Rating:	00	
Isolation:	4 kV DALI to Inputs	

Dimensions



Connections



Helvar
www.helvar.com

Data subject to change without notice

Hawley Mill, Hawley Road, Dartford, Kent, DA2 7SY United Kingdom Tel: +44 (0)1322 222211 Fax: +44 (0)1322 282216