Product data sheet Indine

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.

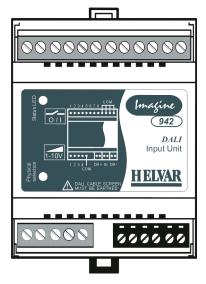
Inputs 1 - 4 may be configured as 0 - 10V analogue inputs, permitting, for example, the connection of light sensors to act as scene triggers or as condition inputs.

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.

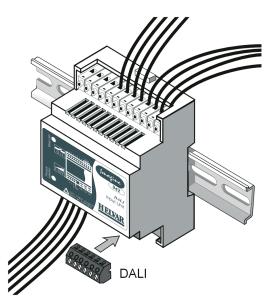
Installation Notes

- 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

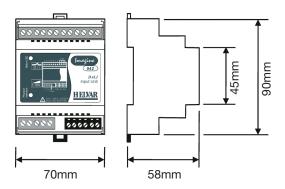
Safety

Safety: EN 60 950

Case IP Rating: 30
Terminal IP Rating: 00

Isolation: 4 kV DALI to Inputs

Dimensions



Connections

