

Helvar

IMAGINE

IMAGINE

ENDLESS POSSIBILITIES



DALI-2 SOLUTION SPECIFICATION SHEET

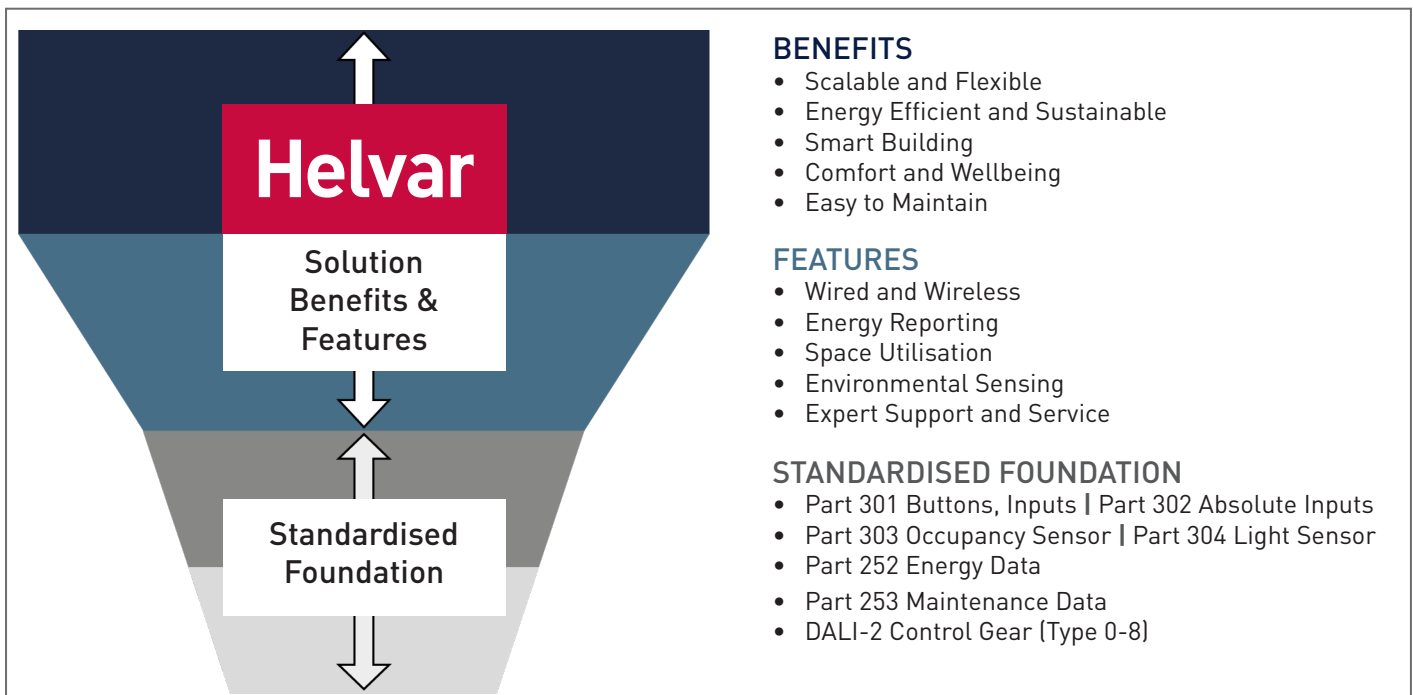




IMAGINE is Helvar’s comprehensive DALI-2 solution for lighting control. Built to add value beyond the DALI-2 standard, Imagine provides advanced options for control, automation, and integration, helping to make buildings smarter, more efficient, and future-ready. The Imagine 945 application controller is designed to suit most commercial buildings, while the 950 application controller serves larger, more complex sites.

With one of the broadest DALI-2 portfolios in the market, Helvar’s Imagine solution can cover all kinds of project requirements.

With the added possibility of wireless control, environmental sensing and data insights, Helvar’s DALI-2 solution offers a robust foundation for buildings to support wellbeing, minimise costs, and reach sustainability goals.



MULTI-MASTER APPLICATION CONTROLLERS



950

- 4 DALI Networks (subnets)
- Inbuilt DALI PSU per subnet
- LCD display for DALI network test and display alerts
- Built-in real time clock
- Compatible with Designer 5 software
- Up to 15 control devices per DALI network

945

- 2 DALI Networks (subnets)
- Inbuilt DALI PSU per subnet
- LCD display for DALI network test and display alerts
- Built-in real time clock
- Compatible with Designer 5 software
- Up to 15 control devices per DALI network



DALI STANDARD IEC 62386 (950 and 945)

Certified DALI-2 Multi-master Application Controller

- Part 101 (System Components)
- Part 103 (Control Devices)
- Part 301 (Push Buttons)
- Part 303 (Occupancy Sensor)
- Part 303 (Absolute Input Devices)
- Part 304 (Light Sensor)
- Part 252 (Energy Data)
- Part 253 (Maintenance Data)



HELVAR 32xD2 SENSORS



320D2 Occupancy Sensor

- Application Fit: General Indoor
- Sensor Technology: PIR
- Occupancy Sensor
- Nominal Mounting Height: 2.5m
- Detection Pattern 6.2x8m
- DALI Consumption:10mA Max



321D2 Multi Sensor

- Application Fit: General Indoor
- Sensor Technology: PIR
- Occupancy and Light Sensor
- Nominal Mounting Height: 2.5 m
- Detection Pattern 6.2x8m
- DALI Consumption:10mA Max



322D2 High Bay Multi Sensor

- Application Fit: General High bay
- Sensor Technology: PIR
- Occupancy and Light Sensor
- Nominal Mounting Height: 15m
- Detection Pattern 12m Diameter
- DALI Consumption:10mA Max



324D2 Multi Sensor R44

- Application Fit: Luminaire Mount, General Indoor
- Sensor Technology: PIR
- Occupancy and Light Sensor
- Nominal Mounting Height: 2.5 m
- Detection Pattern: 7m Diameter
- DALI Consumption:10mA Max
- Follows Zhaga Book 20 Standard Dimensions R44



325D2 High Bay Multi Sensor R60

- Application Fit: Luminaire Mount, General High Bay
- Sensor Technology: PIR
- Occupancy and Light Sensor
- Nominal Mounting Height: 15 m
- Detection Pattern: 21m Diameter
- DALI Consumption:10mA Max
- Follows Zhaga Book 20 Standard Dimensions R60

STEINEL SENSORS FOR HELVAR



IR Quattro HD Multi Sensor

- Application Fit: Large Open Plan
- Sensor Technology: PIR
- Occupancy and Light Sensor
- Nominal Mounting Height: 2.8m
- Large movement detection: 20x20m
- DALI Consumption: 8mA Nominal



HF 360 Multi Sensor

- Application Fit: Open plan areas with separators, Stairwells, WCs
- Sensor Technology: HF, 5.8 GHz
- Occupancy and Light Sensor
- Nominal Mounting Height: 2.5m
- Detection pattern: 12m Diameter
- DALI Consumption: 10mA Nominal



Dual HF Multi Sensor

- Application Fit: Corridors
- Sensor Technology: HF, 5.8 GHz
- Occupancy and Light Sensor
- Nominal Mounting Height: 2.8m
- Detection pattern: 20x3 m
- DALI Consumption: 14mA Nominal



IS 3360 MX High Bay Multi Sensor

- Application Fit: Open Plan High Bay
- Sensor Technology: PIR
- Occupancy and Light Sensor
- Nominal Mounting Height: 12m
- Large movement detection: 12m Diameter
- DALI Consumption: 6mA Nominal



IS 345 MX High Bay Multi Sensor

- Application Fit: Aisle High Bay
- Sensor Technology: PIR
- Occupancy and Light Sensor
- Nominal Mounting Height: 12m
- Large movement detection: 12m Diameter
- DALI Consumption: 6mA Nominal

BUTTON PANEL DEVICE RANGE



13xxD2 BUTTON PANEL and 11xD2 SLIDER RANGE

- Choice of 6 button module configurations and single or dual slider options
- Choice of anthracite grey (B) or white (W) modules
- Available frame finishes: white plastic, anthracite grey plastic, stainless steel, white metal and polished brass
- Designed to fit DIN and UK standard back boxes
- DALI Consumption: 10mA Max

14xxD2 BUTTON PANEL RANGE

- Available button configurations: 2, 4, 6 and 8
- Available colour: white and black
- Removable middle insert for local custom labeling options
- Compatible with alternative manufacturer's frames
- Middle LED for power indicator and identify function
- DALI Consumption: 10mA Max



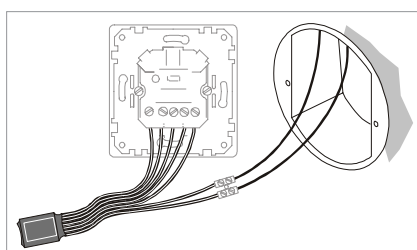
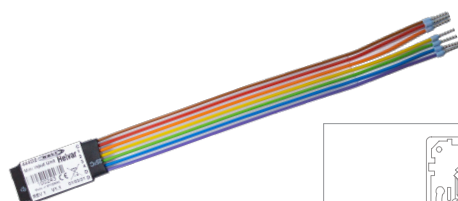
Compatible frame examples from Alternative Manufacturers*

Standard European 55x55mm switch module design for compatibility with alternative frame options.



*not supplied by Helvar

INPUT DEVICE

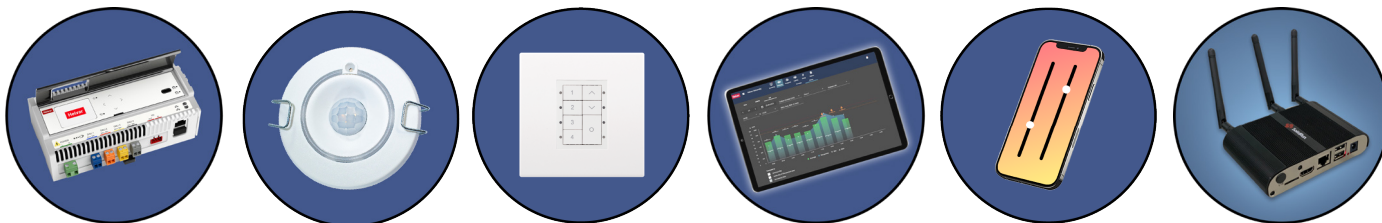


A Mini Input Unit used with a four-gang mains switch in a single-gang back box

444D2 MINI INPUT DEVICE

- 4 Digital Inputs
- 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
- DALI Consumption: 10mA Max

KEY SOLUTION COMPONENTS



DALI Application Controllers

Sensors

Panels

GUIs

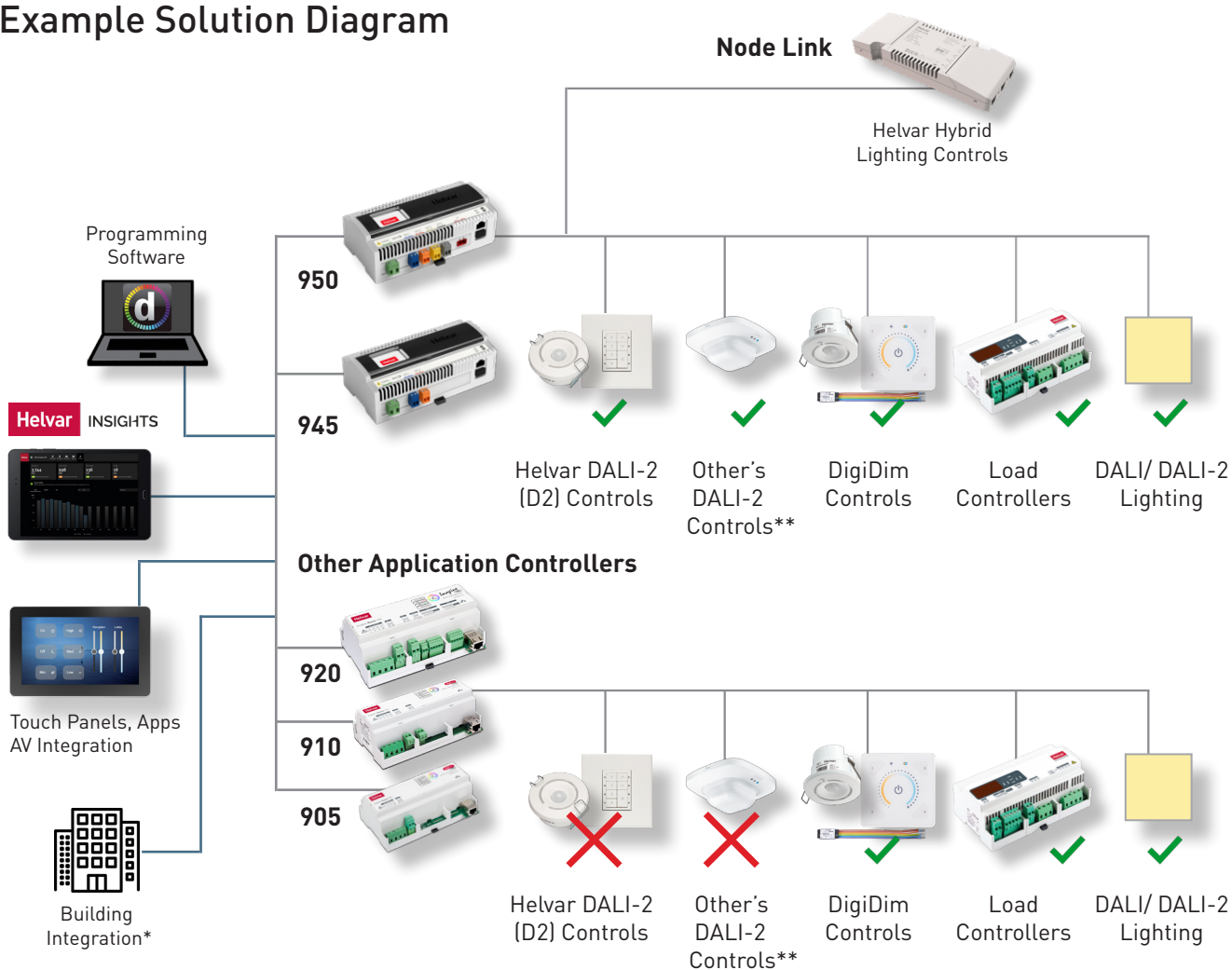
Apps

Integration

DALI-2 COMPATIBILITY WITH OTHER SOLUTION COMPONENTS











Helvar IMAGINE

Example Solution Diagram



* Gateways required ** Product dependent, ask local Helvar representative

DALI-2 COMPATIBILITY WITH OTHER SOLUTION COMPONENTS

	Helvar Application Controllers		Helvar ActiveAhead Nodes	
	Helvar IMAGINE	Helvar ACTIVEAHEAD		
	<p>950 </p> <p>945 </p> <p>DALI-2 Multi Master Application Controllers</p>	<p>905 </p> <p>910 </p> <p>920 </p> <p>DALI-2 Single Master Application Controllers</p>	<p>5609 </p> <p>5640 </p> <p>5641 </p> <p>Multi Master Application Controllers</p>	<p>Nodes D4i </p> <p>D4i Control Devices for Luminaires</p>
Product Classifications				
DALI Control Gear (i.e. luminaires)	✓	✓	✓	✓
DALI-2 Control Gear (i.e. luminaires)	✓	✓	✓	✓
DIGIDIM Helvar Control Devices	✓	✓	✓	✓
D2 Helvar DALI-2 Control Devices	✓	✗	✓	✓
Sensors				
DIGIDIM Helvar Sensors (examples: 320, 321, 322, 313, 314, 315, 317, 318)	✓	✓	✓ 32x & 34x	✓ 32x & 34x
D2 Helvar DALI-2 Sensors (examples 320D2, 321D2, 322D2)	✓	✗	✓	✓
Steinel DALI-2 Sensors from Helvar (example: IR Quattro HD Input device)	✓	✗	✓	✓
Button Panels and Inputs				
DIGIDIM Helvar Panels (examples: 13x, 16x, 19x ILLUSTRIS, 444)	✓	✓	✗	✗
D2 Helvar DALI-2 Panels and Inputs (examples 13xD2, 14xD2, 444D2)	✓	✗	✓	✓
Load controllers				
DIGIDIM Helvar Dimmers, Relays and Ballast Controllers (examples: 454, 478, 498)	✓	✓	✓	✗
Non Helvar DALI-2 controls (by other manufacturers)				
Only DALI-2 certified products and approved for compatibility by Helvar	Product dependent, ask local Helvar representative	✗	Product dependent, ask local Helvar representative	Product dependent, ask local Helvar representative
D4i Drivers and DALI Power Supplies				
D4i Drivers with bus power supply ON (typically on out of box)	✗	✗	✗	✓
Additional DALI Power Supplies (Example Helvar 402, 407)	✗	✗	✗	✓
DALI Repeater (Example Helvar 405, 406)	✓ max 1 per subnet	✓ See repeater manual for best install practise	✓	✗

We're based in Finland, Sweden and the UK - but we work with Partners all over the world. See more at helvar.com

Read more about Helvar Imagine solution: helvar.com/imagine

