Signify

interact



Specification Sheet

KT100 RF DALI Connector Kit with SC100 IA

- The RF-DALI connector is designed to connect luminaires to the Interact wireless indoor smart lighting system.
- The sensor in KT100 kit is D4i certified, and fits to a Zhaga Book 20 rectangular slot.
- Switch ON/OFF and control the connected luminaire(s) with DALI.
- Reports total energy usage of the connected luminaire(s) in the Interact Pro dashboard.
- The maximum load of the connector is 400 VA.

RF-DALI connector

Features

- Connects existing DALI driver(s) to become part of wireless connected lighting systems
- Connect to regular mains switchable luminaires with standard ON/OFF behavior
- Can be programmed with the use of the Interact Pro app or dashboard.
- The device is Interact ready and can be easily linked to a wireless Interact lighting system.

Benefits

- Improve overall project flexibility and efficiency by controlling luminaire(s) using mains and DALI.
- Energy reporting for the connected luminaire(s) capable.
- Minimal startup and configuration expertise savings on labor time and effort.
- Deep energy savings and code compliance strategies.

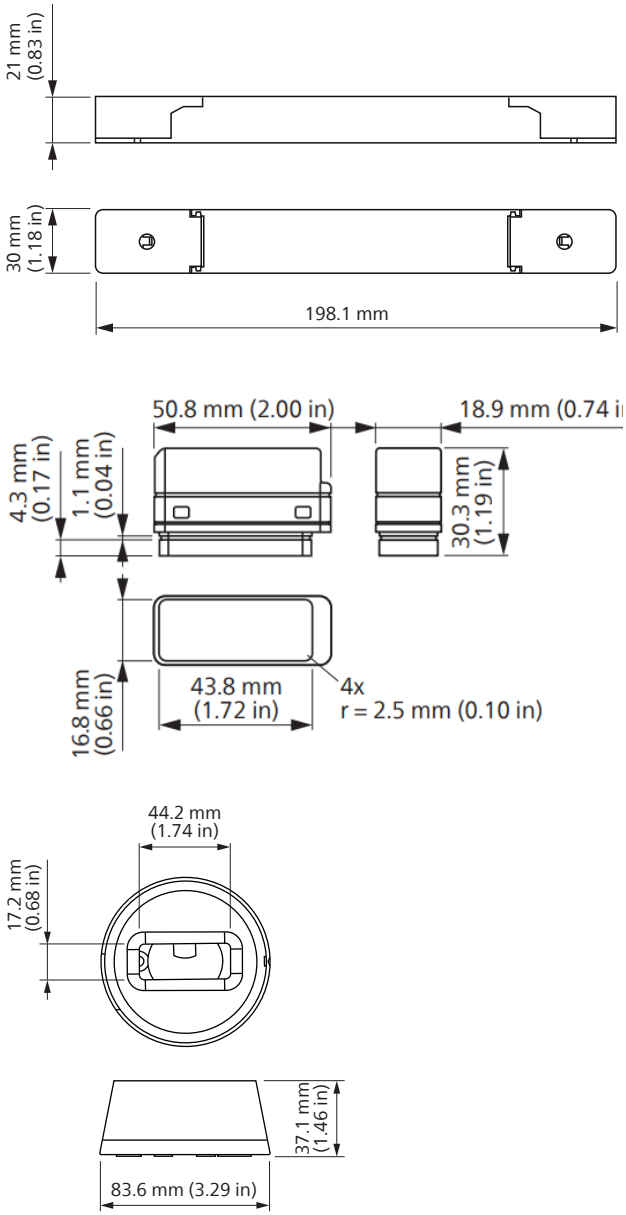
Product use

- 929003423806 Xitanium SR Bridge independent
- 913701069303 SC100B/02 SR Transceiver
- 913713620803 SA0600 Sensor mounting box
- 442294852171/ 442294257982 2-wire cable (1 m, 0.75 mm^2)

Applications

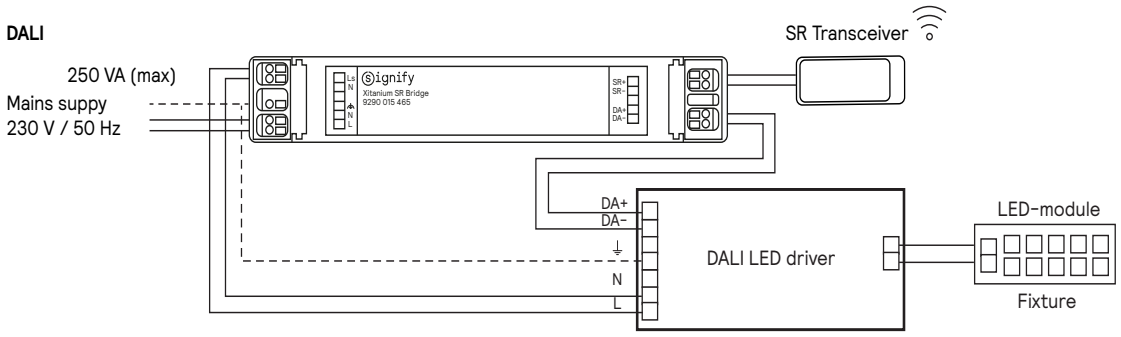
- Conference rooms
- Individual offices
- Open offices
- Classrooms
- Storage and break areas
- Restrooms
- Lobbies
- Stairways
- Industrial warehouses
- Indoor parkings
- Factories etc.

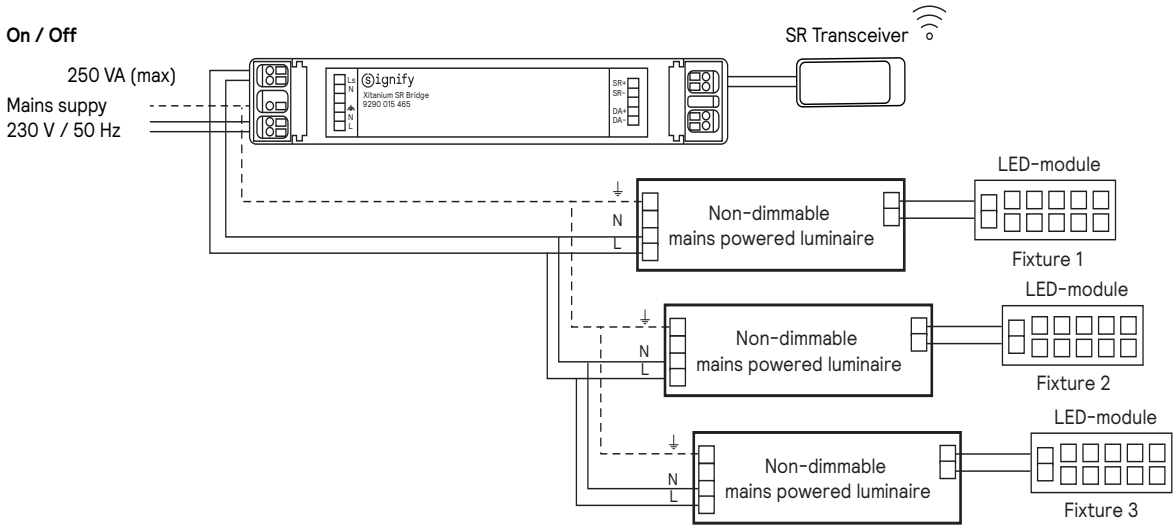
Dimensional drawings



RF-DALI connector

Wiring





Specifications [1, 2]

Mechanical

Sensor box	Polycarbonate

Electrical

Input line voltage	220 to 240 Vac ±10%
Input line current	2.0 A (max. load at 120 Vac)
Line frequency	50/60 Hz
Rated input power	402 W
Power factor	≥0.9
Total harmonic distortion	<20%
Standby power	<0.5 W

Zigbee and Bluetooth Low Energy (BLE)

Communication distance	Zigbee: 25 m (line of sight, package error rate <1%) BLE: 15 m (line of sight, package error rate <10%)

*The RF-distance at luminaire level is different. It depends on design-in and results of TRP-loss tests.

Environment

Temperature (operating)	-40 to +60 °C (-40 to 140 °F)
Temperature (storage and transport)	-40 to +85 °C (-40 to +185 °F)
Relative humidity (operating)	10% to 90% (non-condensing)
Relative humidity (storage and transport)	5% to 95% (non-condensing)

Approbations

Agency approbations	CE, UKCA
	Tested and approved for use in plenums
Ingress protection	IP20

CE UKCA

[1] Shown are the most relevant specifications of the combined components of the RF-DALI connector.

[2] See the specification sheets of the respective components for more information.

Ordering data

Type	Description
9137 010 74803	KT100 RF DALI Connector Kit with SC100 IA

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