



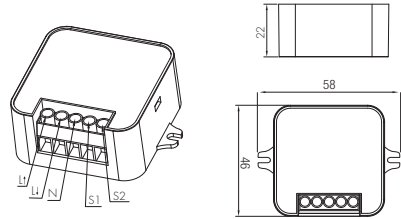
1. Technical Specifications

Product type	Bluetooth® Wireless Switch (Flush mount)
Mains voltage	220-240VAC 50Hz
Rated load	300VA(Capacitive); 400W(Resistive)
Stand-by power	<0.5W
Operation frequency	2.4 GHz - 2.483 GHz
Transmission power	7dBm
Range (Typical)	15 – 30m
Protocol	Bluetooth® 4 Wireless Mesh
Operation temperature	Ta: -20°C – +45°C
Case temperature (Max.)	Tc: +75°C
Storage temperature	-10°C – 60°C
Max. relative humidity	20 – 90%
IP rating	IP20
Impulse withstand voltage	2.5KV
Duty type	S1
Insulation material	PTI material group IIIa
Glow wire	level 3, 850°C
Protection	Built-in protection provide
Type of switch	Single load(single-pole disconnection)
Insulation	Class II Pollution degree 2
EMC standard (EMC)	EN55015, EN61547, EN61000-3-2, EN61000-3-3
Safety standard (LVD)	IEC 61058-1, ENIEC 61058-1, IEC 61058-1-2 EN 61058-1-2, AS/NZS 61058.1
Radio Equipment (RED)	EN300 328, EN301489-1, EN301489-17, EN62479

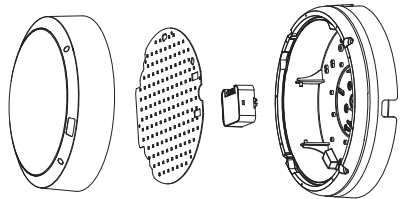
2. Installation

⚠ Warnings:

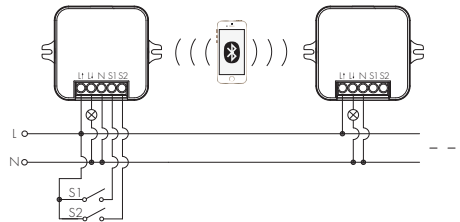
1. Installation must be carried out by a qualified engineer in accordance with local regulations.
2. Disconnect power supply before installing.
3. Ensure environmental conditions are suitable for electronic equipment



Typical Switch Box Mounting



Wiring Diagram



Wire Preparation



Rising clamp terminal.

3. Download the App

Free smartphone App for set-up and commissioning



Compatible with iOS 9.0 or later



Compatible with Android 5.0 or later

Please refer to the App User Manual for operating instructions.

4. Manual Override (S1 & S2 terminals)

The Switch-Dim terminal reserves the access of manual override function for the end-user to switch on/off the light by push-switch. Furthermore, by using the "binding" option in the App, entire groups of fixtures may be wirelessly controlled by a single switch. Please refer to the App user guide for further information.

* Short Push (<1s): permanent on/off function; can also be configured to recall scene selection

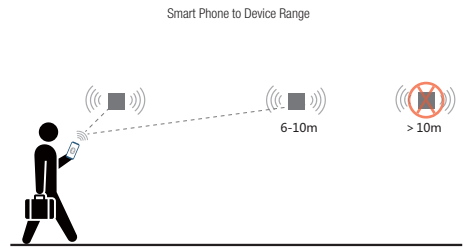
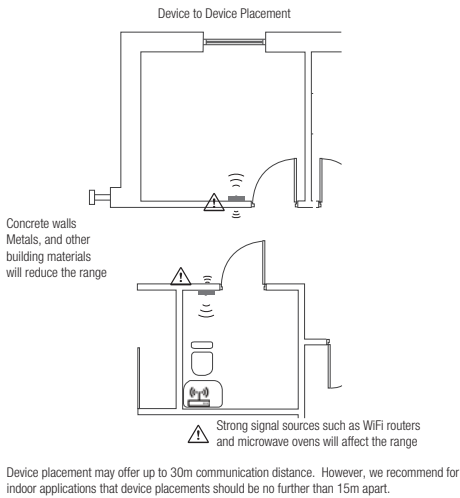
* Long Push (>1s): ① previous state:off -> long push -> on

- previous state:on -> long push -> on
② when binding with other hytronik bluetooth devices, the lights bound can be dimmed or color tuning.

Notes:

- 1) Both the adjustment on App and push switch can overwrite each other, the last adjustment remains in memory.
- 2) The switch functions are configured in the App.
- 3) The S1 & S2 terminals may be left unconnected if no manual control is required.

5 . Placement Guide and Considerations



Notes:

The range for which a smart phone can communicate with the switch points will vary from model to model and is dependent on its **Bluetooth** capability.

Device placement will also affect the smart phone communication range and may appear different for each switch position.

Finally, other environmental factors (as per opposite) will influence the ultimate achievable range of communication between smart phone and luminaire device.

6. Getting Started With App.

After downloading and installing the App, you will be required to either log in to your account or create a new account. AN INTERNET CONNECTION IS REQUIRED to register for the account. Accounts are used only for the purposes of backing up the mesh Network and settings information to a cloud based service. No other personal information is required other than a unique and valid e-mail address.

There are 2 account categories; User or Installer. The User Account can be further selectable as 'Owner' or 'User'.

User Accounts:

Owner – This account is the top level account and is intended for the property owner. The owner account can manage permissions for other user accounts and can transfer ownership or invite other installer accounts.

User – This account at the base level may only operate simple features, such as scene selection or dimming. The Owner account holder may grant more permissions to a trusted user.

Installer Account:

This account type is intended for electrical contractors and commissioning engineers. This account will allow full access to the features of the App to set up the network and lighting controls on behalf of their client. When the work is completed, he may transfer the network details to the Owner account (client account).

Once registration is complete the App will guide the installer to add devices. The App has been designed to be intuitive and further understanding of the App may be gained by referring to our Dimmer App Software guide.