DECT ULE-SPLG

AC Smart Plug

CR-DU-SPLG EURO

CROW

ELECTRONIC ENGINEERING LTD.

**INSTALLATION INSTRUCTIONS
P/N 7100980 REV. A**

INTRODUCTION

This DECT ULE SPLG is an advanced, fully supervised low-current wireless device including a DECT ULE transceiver for reliable system operation.

This DECT ULE SPLG uses smart message control, which verifies that all messages are successfully transmitted, so that no On/Off event will be lost.

This DECT ULE SPLG detector includes series of messages for full communication administration (Keep Alive, Configuration, On/Off, Metering etc.) as well as test transmission signals.

FEATURES

- DECT ULE RF protocol.
- Low current Technology.
- Frequency Band: All DECT Standard Bands.
- On/Off transmission.
- Metering transmission.
- Keep Alive transmission.
- Bi-Color LED indications On/Off & Pairing.
- Range up to 500m on open space.
- Remotely configurable.
- Friendly Pairing and Installation processes.
- Built in Child Protection.
- Manual and Remote ON/OFF capabilities.
- Zero Crossing Switching.
- Lighted Button and Switch Status Bi-Color Indication.
- After Power Cycle State (configurable – On/Off/Last state).
- EURO model – AC220V-240V/50Hz – CEE 7/4 – German "Schuko" – Type F.
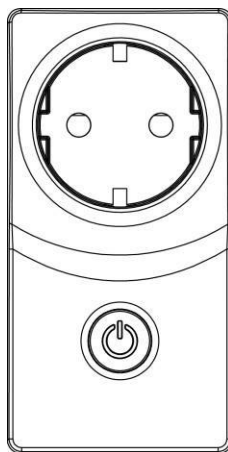
OPERATION

The DECT ULE SPLG transmits the following events data:

KEEP ALIVE – A periodical transmission indicating detector's presence. The time interval is configurable – the minimum value is 3 seconds.

On/Off – Every press on the button toggle the device state from On to Off and vice versa. Any status change causes a transmission to base with the updated status.

Metering – Every few seconds the device reports on several network electrical parameters like: Real Power, Voltage, Current, Frequency and more.

FIGURE 1 – DEVICE FRONT VIEW

PAIRING PROCESS

1. Insert the DECT ULE SPLG into the wall outlet and wait till the Red light in the ON/OFF button will stop blinking.
2. Initiate the Base Station pairing process.
3. Initiate the device pairing process by pressing the ON/OFF button for 5 seconds. The On/Off logo will constantly light Green. Logo Green light starts blinking release the On/OFF button.
4. The device should register to the Base Station.
5. When registration process is successfully completed the Power logo will constantly light Green for 3 seconds and then turn off.
6. If registration process failed the Power logo will blink Red. Remove the DECT ULE SPLG from the wall outlet, wait for few seconds and rerun the pairing process again.

TRANSMISSION TESTS

Identification transmission test –
Use your Application / Base Station and send Identification Request to the device. The device will start blinking the Green & Red LEDs alternately – 5 times each LED starting with the Green LED.

WARNING!!!

Changes or modifications to this equipment not expressly approved by the party responsible for compliance (Crow Electronic Engineering Ltd.) could void the user's authority to operate the equipment.

REGULATORY APPROVALS

The CR-DU-SPLG conforms to essential requirements set out by:

- EMC directive: 2014/30/EU
- LVD directive: 2014/35/EU
- RoHS directive: 2011/65/EU

Harmonized standards applicable to this product are:

- EN 301 489-6
- EN 301 489-1
- EN 62368-1
- IEC 62368-1
- IEC 60884-1

TECHNICAL SPECIFICATIONS

Operation Input:	230VAC, 50Hz, 13A
Operation Output:	230VAC, 50Hz, 13A
Operation Method	Relay Switch Open / Close
RF Protocol	DECT ULE Standard
Modulation Type	GFSK
Frequency	1880–1900 MHz - Europe
Event Transmission	Keep Alive, Metering.
Range in open space	<500m
Transmit Power (Typ.):	23dBm
Operating temperature	-10°C to +55°C
Dimensions	102mm x 51mm x 74mm
Weight	126 gr.

WANNING !!!!
DECT ULE SPLG can be connected to source that provides maximum 13A

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