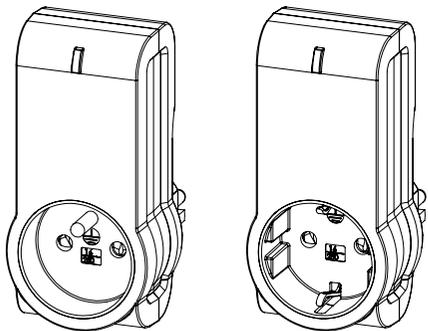


USER GUIDE



SMART PLUG



Smart Plug Type E
Reference: ASP-3-1-00

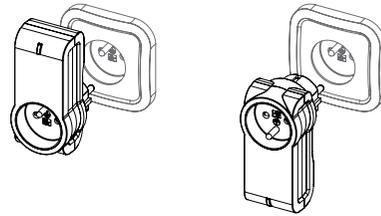
Smart Plug Schuko
Reference: ASP-3-1-10

Power supply: 230V AC +/-10% - 50Hz
Self-consumption <1W
Max. power: - 3000W continuous (Resistive load)
- 3500W temporary (Resistive load)
Center radio frequency : 868.42 MHz
Occupied frequency band : 868.40 to 869.85 MHz
RF power Max : +4dBm
Range up to 80 meters outdoor
Range up to 40 meters indoor
Operational temperature: -10°C / 50°C
IP20
Radio protocol: Z-Wave Plus® (500 series)
Dimensions: 51mm (W) x 36mm (D) x 104mm (H)
Weight: 137g
Warranty: 2 years

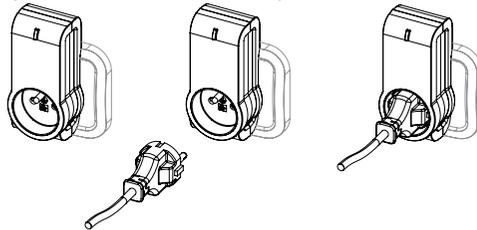
The NodOn® Smart Plug allows to control (Power ON or Power OFF) an electrical appliance plugged on it: bedside lamp, electrical heater, coffee machine, etc.

The NodOn® Smart Plug is compatible with the worldwide home automation standard, Z-Wave®, and all the products Z-Wave® or Z-Wave Plus® certified.

INSTALLATION



Thanks to an innovative design, the Smart Plug can be mounted on the power outlet in either side, head up or head down.

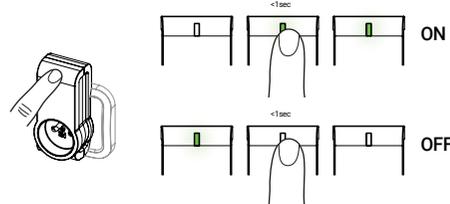


- 1 Plug the NodOn® Smart Plug on your power outlet.
 - 2 Plug the electrical appliance, you want to control, on the NodOn® Smart Plug.
 - 3 The Smart Plug allows to switch ON (Power ON) or switch OFF (Power OFF) the electrical appliance you want to control.
- Switching ON or OFF can be done through the Smart Plug local button, or any kind of Z-Wave® compatible devices, such as the NodOn® Octan Remote, the NodOn® Soft Remote or a Home Automation Gateway.

If the electrical appliance (ex.: bedside lamp) has an ON/OFF button, make sure it's positioned on "ON", in order that the power ON of the appliance by the Smart Plug will switch ON the lamp.

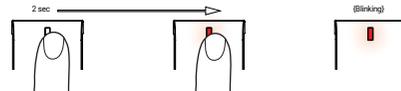
SMART PLUG MODES

LOCAL CONTROL



The Smart Plug can be switched ON or OFF locally, through a short press on the local button. By default, the Smart Plug is switched ON when the LED is green, OFF when the LED is OFF.

LEARNING MODE



Press on the Smart Plug button during 2 seconds until the LED becomes red. Release the button, the LED will then glow in red. The Smart Plug is in "Learning mode".

To add or to remove the Smart Plug from a Z-Wave® network, follow "INCLUSION" or "EXCLUSION" procedures below.

If the Smart Plug is not added or removed from a network within 30 seconds (or if the button is pushed during learning mode), the

Smart Plug will automatically exit learning mode.

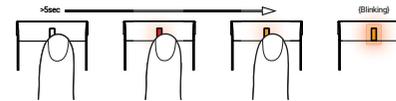
Expert remark: NodOn® created a power efficient « Learning mode ». During this mode, the Smart Plug will send its « Node Information » (NIF) at regular interval.

If the Primary Controller is battery powered (such as the NodOn® Octan Remote), first put the Smart Plug in « Learning mode », and then proceed to the INCLUSION/EXCLUSION procedure of your controller.

To send a single NIF, just triple press on the Smart Plug's button.

LED state	Smart Plug State
Shine Red	Learning mode activated
Blink in Green	Successful Inclusion
Blink in Red	Successful Exclusion
Blink in Orange	"Learning mode" Timeout

FACTORY RESET



To perform a factory reset, press on the Smart Plug button during 5 seconds until the LED becomes orange. Release the button, the LED will blink red/green.

Factory Reset clears the Smart Plug's memory and set parameters to default value.

WARNING

Please use this procedure only when the primary controller is missing or otherwise inoperable. Resetting the Smart Plug does not mean it has been removed from Z-Wave® network controller's memory.

Use the primary controller to remove the Smart Plug from its Z-Wave® network (follow "EXCLUSION" procedures below), before doing a Factory Reset.

INCLUSION PROCEDURE

To add the Smart Plug into a Z-Wave® network

- 1 Plug the Smart Plug.
- 2 Put the Smart Plug in "Learning mode".
- 3 Within 30 seconds put the Z-Wave® Controller in "Learning mode" (See the Controller user guide for its own Inclusion procedure).
- 4 The Smart Plug will confirm the Inclusion procedure by blinking its LED in Green.

EXCLUSION PROCEDURE

To remove the Smart Plug from a Z-Wave® network

- 1 Make sure the Smart Plug is plugged.
- 2 Put the Smart Plug in "Learning mode".
- 3 Within 30 seconds put the Z-Wave® Controller in "Learning mode" (See the Controller user guide for its own Exclusion procedure).
- 4 The Smart Plug will confirm the Exclusion procedure by blinking its LED in Red.

POWER FAILURE

The Smart Plug embeds a very small energy backup, which allows it to send Notification Report on a Z-Wave® network during a short time, after a main power failure.

The Smart plug must be plugged at least 5 minutes before being able to detect each Power Failure.

ASSOCIATION GROUPS

Using Association group, the Smart Plug is able to command or notify another device of a Z-Wave® network.

The Association groups are set by the Main Controller. Once set, the association groups allow direct control, without involving the Main Controller in the communication.

The NodOn® Smart Plug proposes 8 association groups:

Group number	Group Name
1	Lifeline
2	Follow State
3	Follow Complementary State
4	Power Failure Notification
5	Power Failure – Set On
6	Power Failure – Set Off
7	Power Recover – Set On
8	Power Recover – Set Off

Group 1 – Lifeline

Maximum number of devices in group: 5

This group is generally used to report information of the Smart Plug to the Main Controller of the network.

Group 2 – Follow State

Maximum number of devices in group: 5

When the Smart Plug is switched ON (respectively OFF) - either locally or by wireless - it will send ON (respectively OFF) command to the associated devices.

Group 3 – Follow Complementary State

Maximum number of devices in group: 5

When the Smart Plug is switched ON (respectively OFF) - either locally or by wireless - it will send OFF (respectively ON) command to the associated devices.

Group 4 – Power Failure Notification

Maximum number of devices in group: 5

When the Smart Plug detects a power failure or recovers from a power failure, it sends the notification report to the associated devices.

The sent Notification is "Notification Report: Power Management – AC Disconnected / Re-connected"

Group 5 – Power Failure Set ON

Maximum number of devices in group: 5

When the Smart Plug detects a Power Failure, it will switched ON the associated devices.

Group 6 – Power Failure Set OFF

Maximum number of devices in group: 5

When the Smart Plug detects a Power Failure, it will switched OFF the associated devices.

Group 7 – Power Recover Set ON

Maximum number of devices in group: 5

When the Smart Plug detects a Power Recover, it will switched ON the associated devices.

Group 8 – Power Recover Set OFF

Maximum number of devices in group: 5

When the Smart Plug detects a Power Recover, it will switched OFF the associated devices.

CONFIGURATION

The Smart Plug offers a wide range of configuration, which can be set and handled by the Z-Wave® network Main Controller.

Default State

Parameter Number	Default Value	Size
1	2	1 [byte]
This parameter defines the status of the Smart Plug after a Power Failure or after being plugged.		
Value	Description	
0	OFF	
1	ON	
2	Status before Power Failure	

Power Failure

Parameter Number	Default Value	Size
2	0	1 [byte]
This parameter is to set-up the Power Failure / Recover notification and the associated group (Groups 4, 5, 6, 7, 8).		
Value	Description	
0	Power Failure detection disable	
1	Power Failure enable (report to Lifeline only)	
2	Enable group 4	
4	Enable group 5	
8	Enable group 6	
16	Enable group 7	
32	Enable group 8	

The value may be the sum of available values.

For example, if you want to activate Power Failure and enable group 4 & 5, the parameter value is 1+2+4=7.

Follow State

Parameter Number	Default Value	Size
3	3	1 [byte]
This parameter allows to enable or disable Group 2 & Group 3.		
Value	Description	
0	Group 2 & Group 3 disable	
1	Group 2 enable	
2	Group 3 enable	

The value may be the sum of available values.

For example, if you want to enable Group 2 & 3, the parameter value is 1+2=3.

Always On

Parameter Number	Default Value	Size
4	0	1 [byte]
This parameter forces the Smart Plug status to be ON. While enable it is not possible to switch OFF the plug (local or wireless).		
Value	Description	
0	Always ON disable	
1	Always ON enable	

ALARM

The NodOn® Smart Plug embeds Smart Alarm management features, in order to react to different kinds of Notifications and Events (According to "Notification V1" command class)

Up to 8 Alarms can be configured, through Configuration parameters #5 to #20.

For each Alarm, the set-up is done through 2 configuration parameters, as below:

Alarm Number	Alarm Type Config. Parameter	Alarm Specifications Config. Parameter
1	5	6
2	7	8
3	9	10
4	11	12
5	13	14
6	15	16
7	17	18
8	19	20

Parameter #	Default Value	Size
5/7/9/11/13/15/17/19	0	2 [byte]
This parameter is to set the Alarm X Type		
Value	Description	
Use the Home Automation Gateway interface or our Alarm set-up form to define the value corresponding to your need*.		

Parameter #	Default Value	Size
6/8/10/12/14/16/18/20	0	4 [byte]
This parameter is to set the Alarm X Specifications.		
Value	Description	
Use the Home Automation Gateway interface or our Alarm set-up form to define the value corresponding to your need*.		

*In order to configure properly each alarm, please use your Home Automation Gateway interface or our online form at :

www.nodon.fr/support/asp3/alarm



COMMAND CLASS

The NodOn® Smart Plug supports the following Command Class :

COMMAND CLASS	VERSION
All switch	V1
Application status**	V1
Association	V2
Association Group Information	V1
Basic***	V1
Binary Switch	V1
Configuration	V1
Device Reset Locally	V1
Indicator	V1
Manufacturer Specific	V2
Notification	V4
Power Level	V1
Protection	V2
Version	V2
Z-Wave® Plus info	V2

** Controlled only (not supported)

*** Controlled AND supported

WARNING!

Unplug the product only when it is powered OFF.
Do not plug the products one behind the other.
Do not use the product in a humid area.
The product must be easy to access once plugged.

PICTOGRAM



Hereby, ID-RF SAS declares that this radio equipment is conform to the RED directive 2014/53/UE. The integral text of the EU declaration of conformity is available at the following online address: www.nodon.fr « support » section.



When sorting your waste, please observe the disposal regulations in force. Please place your waste in the facilities provided for that purpose and with all due respect for the environment.



This product must be used indoor only.



This product uses a wireless communication protocol.



This product does not contain any battery, and has a low power consumption.



This product must not be in contact with water.



This product must not be exposed to a temperature higher than 50°C.



This product must not be exposed to any kind of fire or heat source.



This product must not be exposed to a temperature lower than -10°C.



This product is compliant with EnOcean® radio protocol.

CONTACT

Manufacturer and Importer:

NodOn® by ID-RF:
ID-RF SAS
121 rue des Hêtres
45590 St CYR EN VAL (FRANCE)

AFTER SALES

www.nodon.fr section "support"
contact@nodon.fr
For user guides in other languages, please visit
www.nodon.fr/notices