

Befehle

In-Wall Power Switch Command Class Supported

COMMAND_CLASS_ZWAVEPLUS_INFO,
COMMAND_CLASS_BASIC,
COMMAND_CLASS_SWITCH_BINARY,
COMMAND_CLASS_METER_V3,
COMMAND_CLASS_MULTI_CHANNEL_V3,
COMMAND_CLASS_MULTI_CHANNEL_ASSOCIATION_V2,
COMMAND_CLASS_ASSOCIATION_V2,
COMMAND_CLASS_ASSOCIATION_GRP_INFO,
COMMAND_CLASS_POWERLEVEL,
COMMAND_CLASS_VERSION,
COMMAND_CLASS_MANUFACTURER_SPECIFIC,
COMMAND_CLASS_DEVICE_RESET_LOCALLY,
COMMAND_CLASS_CONFIGURATION,
COMMAND_CLASS_FIRMWARE_UPDATE_MD_V2

In-Wall Power Switch Device Information

Basic Type : BASIC_TYPE_ROUTING_SLAVE
Generic Type : GENERIC_TYPE_SWITCH_BINARY
Specific Type : SPECIFIC_TYPE_POWER_STRIP

Detailed description of each command class

Basic command class

Refer to Switch all command class.

Switch all command class

SWITCH_ALL_SET command:

[COMMAND_CLASS_SWITCH_ALL, SWITCH_ALL_SET, MODE]

MODE=0: Both two channels switched to OFF.

MODE>0: Both two channels switched to ON.

SWITCH_ALL_REPORT command:

[COMMAND_CLASS_SWITCH_ALL, SWITCH_ALL_SET, MODE]

Report the current status of dual channels.

Mode = 0xFF Both two channels are ON.

Mode = 0x00 Both two channels are OFF, or either one is OFF.

SWITCH_ALL_ON command:

[COMMAND_CLASS_SWITCH_ALL, SWITCH_ALL_ON]

Both channels switched to ON.

SWITCH_ALL_OFF command

[COMMAND_CLASS_SWITCH_ALL, SWITCH_ALL_OFF]

Both channels switched to OFF.

Multichannel command class

The Multichannel command class used to control one or more

end points in a given device that supports this command class.

The Multichannel devices have 2 end points.

All the end points have the following 2 command class: COM-

MAND_CLASS_SWITCH_BINARY and COMMAND_CLASS-

METER_V3.

Multi channel End Point Report Command:

7	6	5	4	3	2	1	0
COMMAND_CLASS_MULTI_CHANNEL							
Multichannel End Point Report							
Dyna- mic	Iden- Tical	0					
Res	End points						

Multi channel Capability Report Command:

7	6	5	4	3	2	1	0
COMMAND_CLASS_MULTI_CHANNEL							
Multi channel End Point Report							
Dyna- mic	End point						
Generic Device Class: GENERIC_TYPE_SWITCH_BINARY							
Specific Device Class: SPECIFIC_TYPE_POWER_SWITCH_BINARY							
Command Class 1: COMMAND_CLASS_SWITCH_BINARY							
Command Class 2: COMMAND_CLASS_METER_V3							

Multi channel End Point Find Report Command:

7	6	5	4	3	2	1	0
COMMAND_CLASS_MULTI_CHANNEL							
Multi channel End Point Report							
Report to Follow = 2							
Generic Device Class: GENERIC_TYPE_SWITCH_BINARY							
Specific Device Class: SPECIFIC_TYPE_POWER_SWITCH_BINARY							
Res	End point = 0x03						

Multi channel Command Encapsulation Command:

1. Command Class Meter V3

• Meter Supported Report Command:

7	6	5	4	3	2	1	0
COMMAND_CLASS_MULTI_CHANNEL							
MULTI_CHANNEL_CMD_ENCAP							
Source End Point							
Destination End Point = 0 (Root Controller)							
COMMAND_CLASS_METER_V3							
METER_SUPPORT_REPORT							
Meter Type = 0x81							
Scale Support = 0x35							

• Meter Report Command:

7	6	5	4	3	2	1	0
COMMAND_CLASS_MULTI_CHANNEL							
MULTI_CHANNEL_CMD_ENCAP							
Source End Point							
Destination End Point = 0 (Root Controller)							
COMMAND_CLASS_METER_V3							
Command = METER_REPORT_V3							
0	Rate Type = 0x1			Meter Type = 0x01			
Precision = 0x2				Scale(1:0)		Size = 0x4	
Meter Value - Byte4 (MSB)							
Meter Value - Byte 3							
Meter Value - Byte 2							
Meter Value - Byte 1 (LSB)							
Delta Time 1 (MSB)							
Delta Time 2 (LSB)							
Previous Meter Value -Byte4 (MSB)							
Previous Meter Value -Byte3							
Previous Meter Value -Byte2							
Previous Meter Value -Byte1 (LSB)							

[Meter Type = 0x81] : Support Meter Reset Command, Meter Type = Electric meter.
[Scale Support = 0x35] : Bit0 : kWh - kilo Watt hour, Bit2 : Watt, Bit4 : Voltage, Bit5 : A
[Rate Type = 0x1] : Consumed measurement.
[Precision = 0x2] : The decimal value 11075 with precision 2 be interpreted as 110.75
[Size = 0x4] : Meter Value and Previous Meter Value used for 4 bytes.

• Meter Reset Command:

7	6	5	4	3	2	1	0
COMMAND_CLASS_MULTI_CHANNEL							
MULTI_CHANNEL_CMD_ENCAP							
Source End Point							
Destination End Point = 0 (Root Controller)							
COMMAND_CLASS_METER_V3							
Command = METER_RESET							

The Meter Reset Command used to reset All accumulated values stored in the In-Wall Power Switch device.

2. Command Class Switch Binary

• Binary Switch Set Command:

7	6	5	4	3	2	1	0
COMMAND_CLASS_MULTI_CHANNEL							
MULTI_CHANNEL_CMD_ENCAP							
Source End Point							
Destination End Point = 0 (Root Controller)							
COMMAND_CLASS_SWITCH_BINARY							
Command = SWITCH_BINARY_SET							
Value							

[Value] : Value = 0x00, The endpoint corresponding switch is turn off, Value = 0xFF, the endpoint corresponding switch is turned on.

• Binary Switch Report Command :

7	6	5	4	3	2	1	0
COMMAND_CLASS_MULTI_CHANNEL							
MULTI_CHANNEL_CMD_ENCAP							
Source End Point							
Destination End Point = 0 (Root Controller)							
COMMAND_CLASS_SWITCH_BINARY							
Command = SWITCH_BINARY_REPORT							
Value							

Wenn der externe Schalter an/aus geschaltet wird, sendet der Unterputz Strom Schalter einen Befehl.

Configuration command class

This class is used for setting certain vendor specific configuration variables.

See the following table for configuration variables:

ID	Name	Größe	Be- reich	Aus- gangs- wert	Be- schrei- bung
1 (0x01)	The duration of sending Meter report	2 byte	5-1092	30	Minu- tes.

Version command class

The user can enquire the version of the unit using VERSION_

GET command. It will return VERSION_REPORT Command.

Version Report Command:

[Command Class Version, Version Report, Z-Wave Library Type, Z-Wave Protocol Version, Z-Wave Protocol Sub Version, Application Version, Application Sub Version]

Manufacturer specific command class

The user can use the Manufacturer Specific Get Command to

request manufacturer specific information from another node.

Manufacturer Specific Report Command:

[Command Class Manufacturer Specific, Manufacturer ID 1, Manufacturer ID 2, Product Type ID 1, Product Type ID 2, Product ID 1, Product ID 2]

Association command class

The Module can be set 1 auto-report ID in Group 1.

The Module will send METER_REPORT_V3 to device associa-

ted in Group 1 when correspond sensor is activated.

And the Module can be set 5 devices in Group 2.

Upon the Module switch ON/OFF status changed, the module

will send BASIC_SET command to all devices associated in

Group2 for On/Off operation.

Firmware Update Meta Data Command Class, version 2

Support OTA (On-The-Air) firmware update function.

Support Delock

Bei weitergehenden Supportanfragen wenden Sie sich bitte an support@delock.de

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