



Software Design Specification Document

SDS13548 - List of defined Z-Wave Command Classes.

This document lists the existing Command Classes and their associated information.

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Revision Record

Doc. Revision	Change by	Date	Comment
1	Nicolas Obriot	10-12-2016	Initial revision.
2	Nicolas Obriot	05-04-2017	Updated Multilevel Sensor CC to version 11 Added the last update column and added data according to Open Review 2017A Added links to local specification files
3	Nicolas Obriot	05-07-2017	Moved IP Association and Z/IP Naming and location to the Management category Updated Last Update column after the 2017B Open Review
3	Nicolas Obriot	02-10-2017	Updated after the 2017C Open Review

Command Class Name	Identifier	Category	status	value	Latest version	Last update	Additional comments
Alarm Command Class	COMMAND_CLASS_ALARM	Application	Deprecated	0x71	2	11-03-2017	Alarm has been renamed/overloaded by the Notification Command Class
Alarm Sensor Command Class	COMMAND_CLASS_SENSOR_ALARM	Application	Deprecated	0x9C	1	01-04-2016	
Alarm Silence Command Class	COMMAND_CLASS_SILENCE_ALARM	Application	Active	0x9D	1	-	
All Switch Command Class	COMMAND_CLASS_SWITCH_ALL	Application	Obsolete	0x27	1	01-04-2017	
Anti-theft Command Class	COMMAND_CLASS_ANTI THEFT	Application	Active	0x5D	2	-	
Application Capability Command Class	COMMAND_CLASS_APPLICATION_CAPABILITY	Management	Active	0x57	1	-	
Application Status Command Class	COMMAND_CLASS_APPLICATION_STATUS	Management	Active	0x22	1	01-10-2017	This Command Class MUST always be in the NIF if supported
Association Command Class	COMMAND_CLASS_ASSOCIATION	Management	Active	0x85	2	01-10-2017	
Association Command Configuration Command Class	COMMAND_CLASS_ASSOCIATION_COMMAND_CONFIGURATION	Management	Active	0x9B	1	-	
Association Group Information (AGI) Command Class	COMMAND_CLASS_ASSOCIATION_GRP_INFO	Management	Active	0x59	3	01-07-2017	
Barrier Operator Command Class	COMMAND_CLASS_BARRIER_OPERATOR	Application	Active	0x66	1	01-07-2017	
Basic Command Class	COMMAND_CLASS_BASIC	Application	Active	0x20	2	01-04-2016	
Basic Tariff Information Command Class	COMMAND_CLASS_BASIC_TARIFF_INFO	Application	Active	0x36	1	-	
Basic Window Covering Command Class	COMMAND_CLASS_BASIC_WINDOW_COVERING	Application	Obsolete	0x50	1	-	
Battery Command Class	COMMAND_CLASS_BATTERY	Management	Active	0x80	1	01-04-2017	
Binary Sensor Command Class	COMMAND_CLASS_SENSOR_BINARY	Application	Deprecated	0x30	2	-	
Binary Switch Command Class	COMMAND_CLASS_SWITCH_BINARY	Application	Active	0x25	1	01-07-2017	
Binary Toggle Switch Command Class	COMMAND_CLASS_SWITCH_TOGGLE_BINARY	Application	Obsolete	0x28	1	01-04-2017	
Climate Control Schedule Command Class	COMMAND_CLASS_CLIMATE_CONTROL_SCHEDULE	Application	Deprecated	0x46	1	-	
Central Scene Command Class	COMMAND_CLASS_CENTRAL_SCENE	Application	Active	0x5B	3	01-04-2017	
Clock Command Class	COMMAND_CLASS_CLOCK	Application	Active	0x81	1	01-07-2017	
Color Switch Command Class	COMMAND_CLASS_SWITCH_COLOR	Application	Active	0x33	3	01-04-2017	
Configuration Command Class	COMMAND_CLASS_CONFIGURATION	Application	Active	0x70	4	01-10-2017	
Controller Replication Command Class	COMMAND_CLASS_CONTROLLER_REPLICATION	Application	Active	0x21	1	-	
CRC-16 Encapsulation Command Class	COMMAND_CLASS_CRC_16_ENCAP	Transport-Encapsulation	Deprecated	0x56	1	-	
Demand Control Plan Configuration Command Class	COMMAND_CLASS_DCP_CONFIG	Application	Active	0x3A	1	01-10-2017	This Command Class MUST always be in the NIF if supported
Demand Control Plan Monitor Command Class	COMMAND_CLASS_DCP_MONITOR	Application	Active	0x3B	1	-	
Device Reset Locally Command Class	COMMAND_CLASS_DEVICE_RESET_LOCALLY	Management	Active	0x5A	1	01-10-2017	
Door Lock Command Class	COMMAND_CLASS_DOOR_LOCK	Application	Active	0x62	3	01-10-2017	
Door Lock Logging Command Class	COMMAND_CLASS_DOOR_LOCK_LOGGING	Application	Active	0x4C	1	-	
Energy Production Command Class	COMMAND_CLASS_ENERGY_PRODUCTION	Application	Active	0x90	1	-	
Entry Control Command Class	COMMAND_CLASS_ENTRY_CONTROL	Application	Active	0x6F	1	-	
Firmware Update Meta Data Command Class	COMMAND_CLASS_FIRMWARE_UPDATE_MD	Management	Active	0x7A	5	01-04-2017	
Geographic Location Command Class	COMMAND_CLASS_GEOGRAPHIC_LOCATION	Application	Active	0x68	1	-	
Grouping Name Command Class	COMMAND_CLASS_GROUPING_NAME	Management	Deprecated	0x7B	1	-	
Hail Command Class	COMMAND_CLASS_HAIL	Management	Obsolete	0x82	1	01-10-2017	
HRV Status Command Class	COMMAND_CLASS_HRV_STATUS	Application	Active	0x37	1	-	
HRV Control Command Class	COMMAND_CLASS_HRV_CONTROL	Application	Active	0x39	1	-	
Humidity Control Mode Command Class	COMMAND_CLASS_HUMIDITY_CONTROL_MODE	Application	Active	0x6D	1	-	
Humidity Control Operating State Command Class	COMMAND_CLASS_HUMIDITY_CONTROL_OPERATING_STATE	Application	Active	0x6E	1	-	
Humidity Control Setpoint Command Class	COMMAND_CLASS_HUMIDITY_CONTROL_SETPOINT	Application	Active	0x6A	1	-	
Inclusion Controller Command Class	COMMAND_CLASS_INCLUSION_CONTROLLER	Network-Protocol	Active	0x74	1	01-07-2017	This Command Class MUST always be in the NIF if supported
Indicator Command Class	COMMAND_CLASS_INDICATOR	Application	Active	0x87	2	-	
IP Association Command Class	COMMAND_CLASS_IP_ASSOCIATION	Management	Active	0x5C	1	01-07-2017	
IP Configuration Command Class	COMMAND_CLASS_IP_CONFIGURATION	Management	Obsolete	0x9A	1	01-04-2016	
Irrigation Command Class	COMMAND_CLASS_IRRIGATION	Application	Active	0x6B	1	01-04-2017	
Language Command Class	COMMAND_CLASS_LANGUAGE	Application	Active	0x89	1	-	
Lock Command Class	COMMAND_CLASS_LOCK	Application	Deprecated	0x76	1	-	
Mailbox Command Class	COMMAND_CLASS_MAILBOX	Network-Protocol	Active	0x69	1	-	
Manufacturer Proprietary Command Class	COMMAND_CLASS_MANUFACTURER_PROPRIETARY	Application	Active	0x91	1	-	
Manufacturer Specific Command Class	COMMAND_CLASS_MANUFACTURER_SPECIFIC	Management	Active	0x72	2	01-04-2016	
Mark (Support/Control Mark)	COMMAND_CLASS_MARK	N/A	Active	0xE	N/A	-	This marker is not an actual Command Class
Meter Command Class	COMMAND_CLASS_METER	Application	Active	0x32	5	01-04-2017	
Meter Table Configuration Command Class	COMMAND_CLASS_METER_TBL_CONFIG	Application	Active	0x3C	1	-	
Meter Table Monitor Command Class	COMMAND_CLASS_METER_TBL_MONITOR	Application	Active	0x3D	2	-	
Meter Table Push Configuration Command Class	COMMAND_CLASS_METER_TBL_PUSH	Application	Active	0x3E	1	-	
Move To Position Window Covering Command Class	COMMAND_CLASS_MTP_WINDOW_COVERING	Application	Obsolete	0x51	1	-	
Multi Channel Command Class	COMMAND_CLASS_MULTI_CHANNEL	Transport-Encapsulation	Active	0x60	4	01-07-2017	
Multi Channel Association Command Class	COMMAND_CLASS_MULTI_CHANNEL_ASSOCIATION	Management	Active	0x8E	3	01-10-2017	
Multi Command Class	COMMAND_CLASS_MULTI_CMD	Transport-Encapsulation	Active	0x8F	1	01-10-2017	This Command Class MUST always be in the NIF if supported
Multilevel Sensor Command Class	COMMAND_CLASS_SENSOR_MULTILEVEL	Application	Active	0x31	11	01-07-2017	
Multilevel Switch Command Class	COMMAND_CLASS_SWITCH_MULTILEVEL	Application	Active	0x26	4	-	
Multilevel Toggle Switch Command Class	COMMAND_CLASS_SWITCH_TOGGLE_MULTILEVEL	Application	Deprecated	0x29	1	-	
Network Management Basic Node Command Class	COMMAND_CLASS_NETWORK_MANAGEMENT_BASIC	Network-Protocol	Active	0x4D	2	18-12-2016	
Network Management Inclusion Command Class	COMMAND_CLASS_NETWORK_MANAGEMENT_INCLUSION	Network-Protocol	Active	0x34	3	01-07-2017	Version 3 is still a beta version
Network Management Installation and Maintenance Command Class	COMMAND_CLASS_NETWORK_MANAGEMENT_INSTALLATION_MAINTENANCE	Network-Protocol	Active	0x67	2	01-07-2017	
Network Management Primary Command Class	COMMAND_CLASS_NETWORK_MANAGEMENT_PRIMARY	Network-Protocol	Obsolete	0x54	1	01-04-2017	
Network Management Proxy Command Class	COMMAND_CLASS_NETWORK_MANAGEMENT_PROXY	Network-Protocol	Active	0x52	2	18-12-2016	
No Operation Command Class	COMMAND_CLASS_NO_OPERATION	Network-Protocol	Active	0x00	1	-	
Node Naming and Location Command Class	COMMAND_CLASS_NODE_NAMING	Management	Active	0x77	1	01-07-2017	
Node Provisioning Command Class	COMMAND_CLASS_NODE_PROVISIONING	Network-Protocol	Active	0x78	1	01-07-2017	Version 1 is still a beta version
Notification Command Class	COMMAND_CLASS_NOTIFICATION	Application	Active	0x71	8	01-07-2017	
Powerlevel Command Class	COMMAND_CLASS_POWERLEVEL	Network-Protocol	Active	0x73	1	01-01-2017	
Prepayment Command Class	COMMAND_CLASS_PREPAYMENT	Application	Active	0x3F	1	-	
Prepayment Encapsulation Command Class	COMMAND_CLASS_PREPAYMENT_ENCAPSULATION	Application	Active	0x41	1	-	
Proprietary Command Class	COMMAND_CLASS_PROPRIETARY	Application	Deprecated	0x88	1	-	
Protection Command Class	COMMAND_CLASS_PROTECTION	Application	Active	0x75	2	-	
Pulse Meter Command Class	COMMAND_CLASS_METER_PULSE	Application	Deprecated	0x35	1	-	
Rate Table Configuration Command Class	COMMAND_CLASS_RATE_TBL_CONFIG	Application	Active	0x48	1	-	
Rate Table Monitor Command Class	COMMAND_CLASS_RATE_TBL_MONITOR	Application	Active	0x49	1	-	
Remote Association Activation Command Class	COMMAND_CLASS_REMOTE_ASSOCIATION_ACTIVATE	Management	Obsolete	0x7C	1	-	
Remote Association Configuration Command Class	COMMAND_CLASS_REMOTE_ASSOCIATION_CONFIGURATION	Management	Obsolete	0x7D	1	-	
Scene Activation Command Class	COMMAND_CLASS_SCENE_ACTIVATION	Application	Active	0x2B	1	01-10-2017	
Scene Actuator Configuration Command Class	COMMAND_CLASS_SCENE_ACTUATOR_CONF	Application	Active	0x2C	1	01-10-2017	
Scene Controller Configuration Command Class	COMMAND_CLASS_SCENE_CONTROLLER_CONF	Application	Active	0x2D	1	01-10-2017	
Schedule Command Class	COMMAND_CLASS_SCHEDULE	Application	Active	0x53	4	01-04-2017	
Schedule Entry Lock Command Class	COMMAND_CLASS_SCHEDULE_ENTRY_LOCK	Application	Deprecated	0x4E	3	-	
Screen Attributes Command Class	COMMAND_CLASS_SCREEN_ATTRIBUTES	Application	Active	0x93	2	-	
Screen Meta Data Command Class	COMMAND_CLASS_SCREEN_MD	Application	Active	0x92	2	-	
Security 0 Command Class	COMMAND_CLASS_SECURITY_0	Application	Active	0x98	1	01-04-2017	
Security 2 Command Class	COMMAND_CLASS_SECURITY_2	Transport-Encapsulation	Active	0x9F	1	01-10-2017	This Command Class MUST always be in the NIF if supported
Security Mark (Unsecure/Secure Mark)	COMMAND_CLASS_SECURITY_SCHEMED_MARK	N/A	Active	0xF100	N/A	-	This marker is not an actual Command Class
Sensor Configuration Command Class	COMMAND_CLASS_SENSOR_CONFIGURATION	Application	Obsolete	0x9E	1	01-07-2016	
Simple AV Control Command Class	COMMAND_CLASS_SIMPLE_AV_CONTROL	Application	Active	0x94	4	01-10-2017	
Sound Switch Command Class	COMMAND_CLASS_SOUND_SWITCH	Application	Active	0x79	1	01-10-2017	
Supervision Command Class	COMMAND_CLASS_SUPERVISION	Transport-Encapsulation	Active	0x6C	1	01-10-2017	This Command Class MUST always be in the NIF if supported
Tariff Table Configuration Command Class	COMMAND_CLASS_TARIFF_CONFIG	Application	Active	0x4A	1	-	
Tariff Table Monitor Command Class	COMMAND_CLASS_TARIFF_TBL_MONITOR	Application	Active	0x4B	1	-	
Thermostat Fan Mode Command Class	COMMAND_CLASS_THERMOSTAT_FAN_MODE	Application	Active	0x44	4	-	
Thermostat Fan State Command Class	COMMAND_CLASS_THERMOSTAT_FAN_STATE	Application	Active	0x45	2	-	
Thermostat Mode Command Class	COMMAND_CLASS_THERMOSTAT_MODE	Application	Active	0x40	3	-	
Thermostat Operating State Command Class	COMMAND_CLASS_THERMOSTAT_OPERATING_STATE	Application	Active	0x42	2	-	
Thermostat Setback Command Class	COMMAND_CLASS_THERMOSTAT_SETBACK	Application	Active	0x47	1	-	
Thermostat Setpoint Command Class	COMMAND_CLASS_THERMOSTAT_SETPOINT	Application	Active	0x43	3	01-10-2017	
Time Command Class	COMMAND_CLASS_TIME	Application	Active	0x8A	2	01-07-2017	This Command Class MUST always be in the NIF if supported
Time Parameters Command Class	COMMAND_CLASS_TIME_PARAMETERS	Application	Active	0x8B	1	-	
Transport Service Command Class	COMMAND_CLASS_TRANSPORT_SERVICE	Transport-Encapsulation	Active	0x55	2	08-12-2016	This Command Class MUST always be in the NIF if supported
User Code Command Class	COMMAND_CLASS_USER_CODE	Application	Active	0x63	1	01-04-2017	
Version Command Class	COMMAND_CLASS_VERSION	Management	Active	0x86	3	01-04-2017	
Wake Up Command Class	COMMAND_CLASS_WAKE_UP	Management	Active	0x84	2	01-04-2017	
Window Covering Command Class	COMMAND_CLASS_WINDOW_COVERING	Application	Active	0x6A	1	-	
Z/IP Command Class	COMMAND_CLASS_ZIP	Network-Protocol	Active	0x23	3	01-01-2017	
Z/IP 6LoWPAN Command Class	COMMAND_CLASS_ZIP_6LOWPAN	Network-Protocol	Active	0x4F	1	-	
Z/IP Gateway Command Class	COMMAND_CLASS_ZIP_GATEWAY	Network-Protocol	Active	0x5F	1	-	
Z/IP Naming and Location Command Class	COMMAND_CLASS_ZIP_NAMING	Management	Active	0x68	1	01-07-2017	
Z/IP ND Command Class	COMMAND_CLASS_ZIP_ND	Network-Protocol	Active	0x5B	1	-	
Z/IP Portal Command Class	COMMAND_CLASS_ZIP_PORTAL	Network-Protocol	Active	0x61	1	-	
Z-Wave Plus Info Command Class	COMMAND_CLASS_ZWAVEPLUS_INFO	Management	Active	0x5E	2	01-01-2017	This Command Class MUST always be in the NIF if supported