



Software Design Specification Document

SDS13548 - List of defined Z-Wave Command Classes.

This document lists the existing Command Classes, commands and their associated metadata.

DOCUMENTATION DISCLAIMER

Copyright Notice

Copyright © August 23, 2016, Silicon Labs, Inc. and/or its affiliates. All rights reserved.

Trademark Notice

Silicon Labs, Inc. and Z-Wave are the registered trademarks of Silicon Labs, Inc. and/or its affiliates. Other names may be trademarks of their respective owners.

License Restrictions Warranty/Consequential Damages Disclaimer

This documentation is provided under certain restrictions on use and disclosure and is protected by intellectual property laws. You may not license, any part, in any form, or by any means. You may use, copy and re-distribute this documentation, in whole or in part. This permission does not grant the recipient's right to modify information contained in this documentation and redistribute this modified information, in whole or in part. Notwithstanding anything contained to the contrary herein, the creation of any derivative works which affects Z-Wave interoperability, based on this documentation shall be strictly prohibited, unless such derivative works are first submitted to the Z-Wave Alliance for review and approval.

Warranty Disclaimer

The information contained herein is subject to change without notice and is not warranted to be error-free. Silicon Labs and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to this documentation and will not be responsible for any loss, costs, or damages incurred due to the use of this documentation.

Restricted Rights Notice

If this is documentation that is delivered or accessed by the U.S. Government or anyone licensing it on behalf of the U.S. Government, the following notice is applicable:

U.S. GOVERNMENT END USERS: Any Silicon Labs software, hardware and/or documentation delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs and/or software or documentation, including any integrated software, any programs installed on hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

Hazardous Applications Notice

This documentation is developed for general use. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this documentation to create or facilitate the creation of dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Silicon Labs and its affiliates disclaim any liability for any damages caused by use of this documentation in dangerous applications.

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
4	Nicolas Obriot	02-10-2017	Updated after the 2017C Open Review
5	Nicolas Obriot	11-01-2018	Updated after the 2017D Open Review Added sheet for Commands and their type (controlling/supporting)
6	Brian Rasmussen	05-03-2018	Added Silicon Labs template
7	Nicolas Obriot	05-04-2018	Updated after the 2018A Open Review Moved Indicator Command Class to the Management category

Command Class	Command	Identifier	value	sending node is	receiving node is	Additional comments
Alarm Command Class	Alarm Get	ALARM GET	0x04	controlling	supported	
	Alarm Report	ALARM REPORT	0x05	supporting	controlling	
	Alarm Set	ALARM SET	0x06	controlling	supported	
	Alarm Type Supported Get	ALARM TYPE SUPPORTED GET	0x07	controlling	supported	
	Alarm Type Supported Report	ALARM TYPE SUPPORTED REPORT	0x08	supporting	controlling	
Alarm Sensor Command Class	Alarm Sensor Get	SENSOR ALARM GET	0x03	controlling	supported	
	Alarm Sensor Report	SENSOR ALARM REPORT	0x04	supporting	controlling	
	Alarm Sensor Supported Get	SENSOR ALARM SUPPORTED GET	0x03	controlling	supported	
	Alarm Sensor Supported Report	SENSOR ALARM SUPPORTED REPORT	0x04	supporting	controlling	
Alarm Silence Command Class	Alarm Silence Get	SILENCE GET	0x03	controlling	supported	
	Alarm Silence Report	SILENCE REPORT	0x04	supporting	controlling	
All Switch Command Class	All Switch Set	SWITCH ALL SET	0x03	controlling	supported	
	All Switch Get	SWITCH ALL GET	0x02	controlling	supported	
	All Switch Report	SWITCH ALL REPORT	0x04	supporting	controlling	
	All Switch On	SWITCH ALL ON	0x04	controlling	supported	
	All Switch Off	SWITCH ALL OFF	0x05	controlling	supported	
Anti-theft Command Class	Anti-theft Set	ANTITHEFT SET	0x03	controlling	supported	
	Anti-theft Get	ANTITHEFT GET	0x02	controlling	supported	
	Anti-theft Report	ANTITHEFT REPORT	0x04	supporting	controlling	
Application Capability Command Class	Not supported Command Class	COMMAND COMMAND CLASS NOT SUPPORTED				
Application Status Command Class	Application Busy	APPLICATION_BUSY	0x03	controlling	controlling	
	Application Rejected Request	APPLICATION_REJECTED_REQUEST	0x03	supporting	controlling	
Association Command Class	Association Set	ASSOCIATION SET	0x03	controlling	supported	
	Association Report	ASSOCIATION REPORT	0x03	supporting	controlling	
	Association Remove	ASSOCIATION_REMOVE	0x04	controlling	supported	
	Association Supported Groupings Get	ASSOCIATION_GROUPINGS_GET	0x05	controlling	supported	
	Association Supported Groupings Report	ASSOCIATION_GROUPINGS_REPORT	0x06	supporting	controlling	
	Association Specific Group Get	ASSOCIATION_SPECIFIC_GROUP_GET	0x08	controlling	supported	
	Association Specific Group Report	ASSOCIATION_SPECIFIC_GROUP_REPORT	0x07	supporting	controlling	
	Command Records Supported Get	COMMAND_RECORDS_SUPPORTED_GET	0x03	controlling	supported	
	Command Records Supported Report	COMMAND_RECORDS_SUPPORTED_REPORT	0x02	supporting	controlling	
	Command Configuration Set	COMMAND_CONFIGURATION_SET	0x03	controlling	supported	
Association Group Information (AGI) Command Class	Command Configuration Report	COMMAND_CONFIGURATION_REPORT	0x04	controlling	supported	
	Association Group Name Get	ASSOCIATION_GROUP_NAME_GET	0x03	controlling	supported	
	Association Group Name Report	ASSOCIATION_GROUP_NAME_REPORT	0x04	supporting	controlling	
	Association Group Info Get	ASSOCIATION_GROUP_INFO_GET	0x03	controlling	supported	
	Association Group Info Report	ASSOCIATION_GROUP_INFO_REPORT	0x04	supporting	controlling	
	Association Group Command List Get	ASSOCIATION_GROUP_COMMAND_LIST_GET	0x05	controlling	supported	
	Association Group Command List Report	ASSOCIATION_GROUP_COMMAND_LIST_REPORT	0x06	supporting	controlling	
	Barrier Operator Set	BARRIER_OPERATOR_SET	0x03	controlling	supported	
	Barrier Operator Get	BARRIER_OPERATOR_GET	0x02	controlling	supported	
	Barrier Operator Report	BARRIER_OPERATOR_REPORT	0x04	supporting	controlling	
Barrier Operator Command Class	Barrier Operator Set - Signaling Capabilities Supported	BARRIER_OPERATOR_SIGNAL_SUPPORTED_GET	0x04	controlling	supported	
	Barrier Operator Report - Signaling Capabilities Supported	BARRIER_OPERATOR_SIGNAL_SUPPORTED_REPORT	0x05	supporting	controlling	
	Barrier Operator Event Signal Set	BARRIER_OPERATOR_SIGNAL_SET	0x06	controlling	supported	
	Barrier Operator Event Signaling Get	BARRIER_OPERATOR_SIGNAL_GET	0x07	controlling	supported	
	Barrier Operator Event Signaling Report	BARRIER_OPERATOR_SIGNAL_REPORT	0x08	supporting	controlling	
Basic Command Class	Basic Set	BASIC_SET	0x03	controlling	supported	
	Basic Get	BASIC_GET	0x02	controlling	supported	
	Basic Report	BASIC_REPORT	0x04	supporting	controlling	
Basic Tariff Information Command Class	Basic Tariff Information Get	BASIC_TARIFF_INFO_GET	0x01	controlling	supported	
	Basic Tariff Information Report	BASIC_TARIFF_INFO_REPORT	0x02	supporting	controlling	
Basic Window Covering Command Class	Basic Window Covering Start Level Change	BASIC_WINDOW_COVERING_START_LEVEL_CHANGE	0x03	controlling	supported	
	Basic Window Covering Stop Level Change	BASIC_WINDOW_COVERING_STOP_LEVEL_CHANGE	0x04	controlling	supported	
Battery Command Class	Battery Get	BATTERY_GET	0x02	controlling	supported	
	Battery Report	BATTERY_REPORT	0x03	supporting	controlling	
Binary Sensor Command Class	Binary Sensor Get	SENSOR_BINARY_GET	0x02	controlling	supported	
	Binary Sensor Report	SENSOR_BINARY_REPORT	0x03	supporting	controlling	
	Binary Sensor Supported Sensor	SENSOR_BINARY_SUPPORTED_GET_SENSOR	0x04	controlling	supported	
	Binary Sensor Supported Sensor Report	SENSOR_BINARY_SUPPORTED_SENSOR_REPORT	0x05	supporting	controlling	
Binary Switch Command Class	Binary Switch Set	SWITCH_BINARY_SET	0x03	controlling	supported	
	Binary Switch Report	SWITCH_BINARY_REPORT	0x04	supporting	controlling	
Binary Toggle Switch Command Class	Binary Toggle Switch Set	SWITCH_TOGGLE_BINARY_SET	0x03	controlling	supported	
	Binary Toggle Switch Report	SWITCH_TOGGLE_BINARY_REPORT	0x04	supporting	controlling	
Climate Control Schedule Command Class	Schedule Set	SCHEDULE_SET	0x03	controlling	supported	
	Schedule Get	SCHEDULE_GET	0x02	controlling	supported	
	Schedule Report	SCHEDULE_REPORT	0x04	supporting	controlling	
	Schedule Changed Get	SCHEDULE_CHANGED_GET	0x04	controlling	supported	
	Schedule Changed Report	SCHEDULE_CHANGED_REPORT	0x05	supporting	controlling	
	Schedule Override Set	SCHEDULE_OVERRIDE_SET	0x06	controlling	supported	
	Schedule Override Get	SCHEDULE_OVERRIDE_GET	0x07	controlling	supported	
	Schedule Override Report	SCHEDULE_OVERRIDE_REPORT	0x08	supporting	controlling	
	Central Scene Supported Get	CENTRAL_SCENE_SUPPORTED_GET	0x03	controlling	supported	
	Central Scene Supported Report	CENTRAL_SCENE_SUPPORTED_REPORT	0x02	supporting	controlling	
Central Scene Command Class	Central Scene Notification	CENTRAL_SCENE_NOTIFICATION	0x03	supporting	controlling	
	Central Scene Configuration Set	CENTRAL_SCENE_CONFIGURATION_SET	0x03	controlling	supported	
	Central Scene Configuration Report	CENTRAL_SCENE_CONFIGURATION_REPORT	0x04	controlling	supported	
Clock Command Class	Clock Set	CLOCK_SET	0x03	controlling	supported	
	Clock Get	CLOCK_GET	0x02	controlling	supported	
Color Switch Command Class	Clock Report	CLOCK_REPORT	0x04	supporting	controlling	
	Color Switch Supported Get	SWITCH_COLOR_SUPPORTED_GET	0x03	controlling	supported	
	Color Switch Supported Report	SWITCH_COLOR_SUPPORTED_REPORT	0x04	supporting	controlling	
	Color Switch Set	SWITCH_COLOR_SET	0x03	controlling	supported	
	Color Switch Report	SWITCH_COLOR_REPORT	0x04	supporting	controlling	
Configuration Command Class	Color Switch Set - Level Change	SWITCH_COLOR_START_LEVEL_CHANGE	0x06	controlling	supported	
	Color Switch Stop Level Change	SWITCH_COLOR_STOP_LEVEL_CHANGE	0x07	controlling	supported	
	Configuration Set	CONFIGURATION_SET	0x04	controlling	supported	
	Configuration Get	CONFIGURATION_GET	0x05	controlling	supported	
	Configuration Report	CONFIGURATION_REPORT	0x06	supporting	controlling	
	Configuration Bulk Set	CONFIGURATION_BULK_SET	0x07	controlling	supported	
	Configuration Bulk Report	CONFIGURATION_BULK_REPORT	0x08	controlling	supported	
	Configuration Bulk Name Set	CONFIGURATION_BULK_NAME_SET	0x09	controlling	supported	
	Configuration Bulk Name Report	CONFIGURATION_BULK_NAME_REPORT	0x0A	controlling	supported	
	Configuration Info Report	CONFIGURATION_INFO_REPORT	0x0C	controlling	supported	
Controller Replication Command Class	Configuration Properties Set	CONFIGURATION_PROPERTIES_SET	0x0E	controlling	supported	
	Configuration Properties Report	CONFIGURATION_PROPERTIES_REPORT	0x0F	supporting	controlling	
	Configuration Default Reset	CONFIGURATION_DEFAULT_RESET	0x10	controlling	supported	
	Transfer Group	CTRL_REPLICATION_TRANSFER_GROUP	0x11	controlling	supported	
	Transfer Group Name	CTRL_REPLICATION_TRANSFER_GROUP_NAME	0x12	controlling	supported	
CRC-16 Encapsulation Command Class	Transfer Scene	CTRL_REPLICATION_TRANSFER_SCENE	0x13	controlling	supported	
	Transfer Scene Name	CTRL_REPLICATION_TRANSFER_SCENE_NAME	0x14	controlling	supported	
Demand Control Plan Configuration Command Class	CRC-16 Encapsulated	CRC-16_ENCAP	0x01	controlling	supported	
	DCP List Supported Get	DCP_LIST_SUPPORTED_GET	0x02	controlling	supported	
	DCP List Supported Report	DCP_LIST_SUPPORTED_REPORT	0x03	supporting	controlling	
	DCP List Set	DCP_LIST_SET	0x04	controlling	supported	
Demand Control Plan Monitor Command Class	DCP List Remove	DCP_LIST_REMOVE	0x05	controlling	supported	
	DCP List Get	DCP_LIST_GET	0x06	controlling	supported	
	DCP List Report	DCP_LIST_REPORT	0x07	supporting	controlling	
	DCP Event Status Get	DCP_EVENT_STATUS_GET	0x08	controlling	supported	
Device Reset Locally Command Class	DCP Event Status Report	DCP_EVENT_STATUS_REPORT	0x09	supporting	controlling	
	Device Reset Locally Notification	DEVICE_RESET_LOCALLY_NOTIFICATION	0x0A	supporting	controlling	
Door Lock Command Class	Door Lock Operation Set	DOOR_LOCK_OPERATION_SET	0x03	controlling	supported	
	Door Lock Operation Report	DOOR_LOCK_OPERATION_REPORT	0x04	supporting	controlling	
	Door Lock Configuration Set	DOOR_LOCK_CONFIGURATION_SET	0x05	controlling	supported	
	Door Lock Configuration Report	DOOR_LOCK_CONFIGURATION_REPORT	0x06	supporting	controlling	
	Door Lock Capabilities Get	DOOR_LOCK_CAPABILITIES_GET	0x07	controlling	supported	
	Door Lock Capabilities Report	DOOR_LOCK_CAPABILITIES_REPORT	0x08	supporting	controlling	
	Door Lock Logging Records Supported Get	DOOR_LOCK_LOGGING_RECORDS_SUPPORTED_GET	0x09	controlling	supported	
Door Lock Logging Command Class	Door Lock Logging Records Supported Report	DOOR_LOCK_LOGGING_RECORDS_SUPPORTED_REPORT	0x0A	supporting	controlling	
	Door Lock Logging Record Report	RECORD_REPORT	0x0B	controlling	supported	
Energy Production Command Class	Energy Production Get	ENERGY_PRODUCTION_GET	0x02	controlling	supported	
	Energy Production Report	ENERGY_PRODUCTION_REPORT	0x03	supporting	controlling	
Entry Control Command Class	Entry Control Notification	ENTRY_CONTROL_NOTIFICATION	0x04	controlling	controlling	
	Entry Control Key Supported Get	ENTRY_CONTROL_KEY_SUPPORTED_GET	0x02	controlling	supported	
	Entry Control Key Supported Report	ENTRY_CONTROL_KEY_SUPPORTED_REPORT	0x03	supporting	controlling	
	Entry Control Event Supported Get	ENTRY_CONTROL_EVENT_SUPPORTED_GET	0x04	controlling	supported	
	Entry Control Event Supported Report	ENTRY_CONTROL_EVENT_SUPPORTED_REPORT	0x05	supporting	controlling	
	Entry Control Configuration Set	ENTRY_CONTROL_CONFIGURATION_SET	0x06	controlling	supported	
	Entry Control Configuration Report	ENTRY_CONTROL_CONFIGURATION_REPORT	0x07	controlling	supported	
	Entry Control Configuration Get	ENTRY_CONTROL_CONFIGURATION_GET	0x08	controlling	supported	
Firmware Update Meta Data Command Class	Firmware Meta Data Set	FIRMWARE_META_DATA_SET	0x03	controlling	supported	
	Firmware Meta Data Report	FIRMWARE_META_DATA_REPORT	0x02	supporting	controlling	
	Firmware Update Meta Data Request Get	FIRMWARE_UPDATE_META_DATA_REQUEST_GET	0x03	controlling	supported	
	Firmware Update Meta Data Request Report	FIRMWARE_UPDATE_META_DATA_REQUEST_REPORT	0x04	supporting	controlling	
	Firmware Update Meta Data Set - Request	FIRMWARE_UPDATE_META_DATA_REQUEST_SET	0x05	controlling	supported	
	Firmware Update Meta Data Report - Request	FIRMWARE_UPDATE_META_DATA_REQUEST_REPORT	0x06	controlling	supported	controlling and supporting must be swapped in case of a FW upload
	Firmware Update Activation Set	FIRMWARE_UPDATE_ACTIVATION_SET	0x07	controlling	supported	
	Firmware Update Activation Report	FIRMWARE_UPDATE_ACTIVATION_REPORT	0x08	supporting	controlling	
	Firmware Update Meta Data Prepare Get	FIRMWARE_UPDATE_META_DATA_PREPARE_GET	0x09	controlling	supported	
	Firmware Update Meta Data Prepare Report	FIRMWARE_UPDATE_META_DATA_PREPARE_REPORT	0x0A	supporting	controlling	
Geographic Location Command Class	Geographic Location Set	GEOGRAPHIC_LOCATION_SET	0x03	controlling	supported	
	Geographic Location Report	GEOGRAPHIC_LOCATION_REPORT	0x04	supporting	controlling	
	Geographic Location Get	GEOGRAPHIC_LOCATION_GET	0x02	controlling	supported	
Grouping Name Command Class	Grouping Name Set	GROUPING_NAME_SET	0x03	controlling	supported	
	Grouping Name Report	GROUPING_NAME_REPORT	0x04	supporting	controlling	
	Grouping Name Get	GROUPING_NAME_GET	0x02	controlling	supported	
Hall Command Class	Hall	HALL	0x03	supporting	controlling	

Network Management Installation and Maintenance Command Class	Node Add Keys Set	COMMAND NODE ADD_KEYS SET	Dx12	controlling	supporting	
	Node Add DSK Report	COMMAND NODE ADD_DSK_REPORT	Dx13	supporting	controlling	
	Node Add DSK Set	COMMAND NODE ADD_DSK_SET	Dx14	controlling	supporting	
	Included Node Information Frame Report	COMMAND_INCLUDED_NIF_REPORT	Dx19	supporting	controlling	
	Smart Start Join Started	COMMAND SMART_START_JOIN_STARTED_REPORT	Dx15	supporting	controlling	
	Last Working Route Set	LAST_WORKING_ROUTE_SET	Dx17	controlling	supporting	
	Last Working Route Get	LAST_WORKING_ROUTE_GET	Dx10	controlling	supporting	
	Last Working Route Report	LAST_WORKING_ROUTE_REPORT	Dx13	supporting	controlling	
	Statistics Get	STATISTICS_GET	Dx18	controlling	supporting	
	Statistics Report	STATISTICS_REPORT	Dx05	supporting	controlling	
	Statistics Clear	STATISTICS_CLEAR	Dx06	controlling	supporting	
	Network Management Primary Command Class	ESSI Get	COMMAND_ESSI_GET	Dx17	controlling	supporting
ESSI Report		COMMAND_ESSI_REPORT	Dx08	supporting	controlling	
Controller Change		COMMAND_CONTROLLER_CHANGE	Dx03	controlling	supporting	
Controller Status		COMMAND_CONTROLLER_CHANGE_STATUS	Dx03	controlling	supporting	
Network Management Proxy Command Class	Node List Get	COMMAND NODE_LIST_GET	Dx17	controlling	supporting	
	Node List Report	COMMAND NODE_LIST_REPORT	Dx02	supporting	controlling	
	Node List Cached Get	COMMAND NODE_INFO_CACHED_GET	Dx03	controlling	supporting	
	Node List Cached Report	COMMAND NODE_INFO_CACHED_REPORT	Dx04	supporting	controlling	
	Network Management Multi Channel End Point Get	NM_MULTI_CHANNEL_END_POINT_GET	Dx05	controlling	supporting	
	Network Management Multi Channel End Point Report	NM_MULTI_CHANNEL_END_POINT_REPORT	Dx06	supporting	controlling	
	Network Management Multi Channel Capability Get	NM_MULTI_CHANNEL_CAPABILITY_GET	Dx07	controlling	supporting	
	Network Management Multi Channel Capability Report	NM_MULTI_CHANNEL_CAPABILITY_REPORT	Dx08	supporting	controlling	
	Network Management Multi Channel Aggregated Members Get	NM_MULTI_CHANNEL_AGGREGATED_MEMBERS_GET	Dx09	controlling	supporting	
	Network Management Multi Channel Aggregated Members Report	NM_MULTI_CHANNEL_AGGREGATED_MEMBERS_REPORT	Dx0A	supporting	controlling	
Node Naming and Location Command Class	Node Name Set	NODE_NAMING_NODE_NAME_SET	Dx01	controlling	supporting	
	Node Name Report	NODE_NAMING_NODE_NAME_REPORT	Dx02	controlling	supporting	
	Node Location Set	NODE_NAMING_NODE_LOCATION_SET	Dx03	controlling	supporting	
	Node Location Report	NODE_NAMING_NODE_LOCATION_REPORT	Dx04	controlling	supporting	
	Node Provisioning Set	COMMAND NODE_PROVISIONING_SET	Dx01	controlling	supporting	
	Node Provisioning Delete	COMMAND NODE_PROVISIONING_DELETE	Dx02	controlling	supporting	
Node Provisioning Command Class	Node Provisioning Get	COMMAND NODE_PROVISIONING_GET	Dx03	controlling	supporting	
	Node Provisioning Report	COMMAND NODE_PROVISIONING_REPORT	Dx04	supporting	controlling	
	Node Provisioning List Iteration Get	COMMAND NODE_PROVISIONING_LIST_ITERATION_GET	Dx05	controlling	supporting	
	Node Provisioning List Iteration Report	COMMAND NODE_PROVISIONING_LIST_ITERATION_REPORT	Dx06	supporting	controlling	
Notification Command Class	Event Supported Report	EVENT_SUPPORTED_REPORT	Dx04	controlling	supporting	
	Event Supported Get	EVENT_SUPPORTED_GET	Dx02	controlling	supporting	
	Notification Get	NOTIFICATION_GET	Dx04	controlling	supporting	
	Notification Report	NOTIFICATION_REPORT	Dx05	supporting	controlling	
Powerlevel Command Class	Powerlevel Set	POWERLEVEL_SET	Dx01	controlling	supporting	
	Powerlevel Report	POWERLEVEL_REPORT	Dx02	controlling	supporting	
	Powerlevel Test Node Set	POWERLEVEL_TEST_NODE_SET	Dx04	controlling	supporting	
	Powerlevel Test Node Report	POWERLEVEL_TEST_NODE_REPORT	Dx05	controlling	supporting	
Prepayment Command Class	Prepayment Balance Set	PREPAYMENT_BALANCE_SET	Dx01	controlling	supporting	
	Prepayment Balance Report	PREPAYMENT_BALANCE_REPORT	Dx02	supporting	controlling	
	Prepayment Supported Get	PREPAYMENT_SUPPORTED_GET	Dx03	controlling	supporting	
	Prepayment Supported Report	PREPAYMENT_SUPPORTED_REPORT	Dx04	supporting	controlling	
Proprietary Command Class	Proprietary Encapsulation	CMD_ENCAPSULATION	Dx01	controlling	supporting	
	Proprietary Set	PROPRIETARY_SET	Dx01	controlling	supporting	
	Proprietary Get	PROPRIETARY_GET	Dx02	controlling	supporting	
	Proprietary Report	PROPRIETARY_REPORT	Dx03	supporting	controlling	
Protection Command Class	Protection Set	PROTECTION_SET	Dx01	controlling	supporting	
	Protection Get	PROTECTION_GET	Dx02	controlling	supporting	
	Protection Report	PROTECTION_REPORT	Dx03	supporting	controlling	
	Protection Supported Get	PROTECTION_SUPPORTED_GET	Dx04	controlling	supporting	
	Protection Supported Report	PROTECTION_SUPPORTED_REPORT	Dx05	supporting	controlling	
	Protection Exclude Control Set	PROTECTION_EC_SET	Dx06	controlling	supporting	
	Protection Exclude Control Report	PROTECTION_EC_REPORT	Dx07	supporting	controlling	
	Protection Timeout Set	PROTECTION_TIMEOUT_SET	Dx08	controlling	supporting	
	Protection Timeout Report	PROTECTION_TIMEOUT_REPORT	Dx09	supporting	controlling	
	Pulse Meter Command Class	Pulse Meter Get	METER_PULSE_GET	Dx04	controlling	supporting
Rate Table Configuration Command Class	Rate Table Set	RATE_TBL_SET	Dx01	controlling	supporting	
	Rate Table Remove	RATE_TBL_REMOVE	Dx02	controlling	supporting	
	Rate Table Supported Get	RATE_TBL_SUPPORTED_GET	Dx03	controlling	supporting	
	Rate Table Supported Report	RATE_TBL_SUPPORTED_REPORT	Dx04	supporting	controlling	
	Rate Table Get	RATE_TBL_GET	Dx05	controlling	supporting	
	Rate Table Report	RATE_TBL_REPORT	Dx06	supporting	controlling	
	Rate Table Active Rate Get	RATE_TBL_ACTIVE_RATE_GET	Dx07	controlling	supporting	
	Rate Table Active Rate Report	RATE_TBL_ACTIVE_RATE_REPORT	Dx08	supporting	controlling	
	Rate Table Current Data Get	RATE_TBL_CURRENT_DATA_GET	Dx09	controlling	supporting	
	Rate Table Current Data Report	RATE_TBL_CURRENT_DATA_REPORT	Dx0A	supporting	controlling	
Remote Association Activation Command Class	Rate Table Historical Data Get	RATE_TBL_HISTORICAL_DATA_GET	Dx0B	controlling	supporting	
	Rate Table Historical Data Report	RATE_TBL_HISTORICAL_DATA_REPORT	Dx0C	supporting	controlling	
	Remote Association Activation Set	REMOTE_ASSOCIATION_ACTIVATION_SET	Dx01	controlling	supporting	
	Remote Association Configuration Set	REMOTE_ASSOCIATION_CONFIGURATION_SET	Dx02	controlling	supporting	
Scene Actuator Configuration Command Class	Remote Association Configuration Report	REMOTE_ASSOCIATION_CONFIGURATION_REPORT	Dx03	controlling	supporting	
	Scene Activation Set	SCENE_ACTIVATION_SET	Dx04	controlling	supporting	
	Scene Actuator Configuration Set	SCENE_ACTUATOR_CONF_SET	Dx05	controlling	supporting	
	Scene Actuator Configuration Report	SCENE_ACTUATOR_CONF_REPORT	Dx06	controlling	supporting	
Scene Controller Configuration Command Class	Scene Controller Configuration Set	SCENE_CONTROLLER_CONF_SET	Dx07	controlling	supporting	
	Scene Controller Configuration Report	SCENE_CONTROLLER_CONF_REPORT	Dx08	controlling	supporting	
	Scene Controller Configuration Set	SCENE_CONTROLLER_CONF_SET	Dx09	controlling	supporting	
	Scene Controller Configuration Report	SCENE_CONTROLLER_CONF_REPORT	Dx0A	controlling	supporting	
Schedule Command Class	Schedule Supported Get	SCHEDULE_SUPPORTED_GET	Dx01	controlling	supporting	
	Schedule Supported Report	SCHEDULE_SUPPORTED_REPORT	Dx02	supporting	controlling	
	Schedule Set	SCHEDULE_SET	Dx03	controlling	supporting	
	Schedule Get	SCHEDULE_GET	Dx04	controlling	supporting	
	Schedule Report	SCHEDULE_REPORT	Dx05	supporting	controlling	
	Schedule Remove	SCHEDULE_REMOVE	Dx06	controlling	supporting	
	Schedule State Set	SCHEDULE_STATE_SET	Dx07	controlling	supporting	
	Schedule State Report	SCHEDULE_STATE_REPORT	Dx08	controlling	supporting	
	Schedule Supported Commands Get	SCHEDULE_SUPPORTED_COMMANDS_GET	Dx09	controlling	supporting	
	Schedule Supported Commands Report	SCHEDULE_SUPPORTED_COMMANDS_REPORT	Dx0A	supporting	controlling	
	Schedule Entry Lock Enable Set	SCHEDULE_ENTRY_LOCK_ENABLE_SET	Dx0B	controlling	supporting	
	Schedule Entry Lock Week Day Schedule Set	SCHEDULE_ENTRY_LOCK_WEEK_DAY_SET	Dx0C	controlling	supporting	
	Schedule Entry Lock Week Day Schedule Report	SCHEDULE_ENTRY_LOCK_WEEK_DAY_REPORT	Dx0D	supporting	controlling	
	Schedule Entry Lock Year Day Schedule Set	SCHEDULE_ENTRY_LOCK_YEAR_DAY_SET	Dx0E	controlling	supporting	
	Schedule Entry Lock Year Day Schedule Report	SCHEDULE_ENTRY_LOCK_YEAR_DAY_REPORT	Dx0F	supporting	controlling	
	Screen Attributes Command Class	Schedule Entry Lock Supported Get	SCHEDULE_ENTRY_LOCK_SUPPORTED_GET	Dx10	controlling	supporting
Schedule Entry Lock Supported Report		SCHEDULE_ENTRY_LOCK_SUPPORTED_REPORT	Dx11	controlling	supporting	
Schedule Entry Lock Time Offset Get		SCHEDULE_ENTRY_LOCK_TIME_OFFSET_GET	Dx12	controlling	supporting	
Schedule Entry Lock Time Offset Report		SCHEDULE_ENTRY_LOCK_TIME_OFFSET_REPORT	Dx13	controlling	supporting	
Schedule Entry Lock Daily Repeating Set		SCHEDULE_ENTRY_LOCK_DAILY_REPEATING_SET	Dx14	controlling	supporting	
Schedule Entry Lock Daily Repeating Report		SCHEDULE_ENTRY_LOCK_DAILY_REPEATING_REPORT	Dx15	controlling	supporting	
Screen Attributes Get		SCREEN_ATTRIBUTES_GET	Dx01	controlling	supporting	
Screen Attributes Report		SCREEN_ATTRIBUTES_REPORT	Dx02	controlling	supporting	
Screen Meta Data Get		SCREEN_META_GET	Dx03	controlling	supporting	
Screen Meta Data Report		SCREEN_META_REPORT	Dx04	controlling	supporting	
Security 0 Command Class	Security Commands Supported Get	SECURITY_COMMANDS_SUPPORTED_GET	Dx01	controlling	supporting	
	Security Commands Supported Report	SECURITY_COMMANDS_SUPPORTED_REPORT	Dx02	controlling	supporting	
	Security Scheme Get	SECURITY_SCHEME_GET	Dx03	controlling	supporting	
	Security Scheme Report	SECURITY_SCHEME_REPORT	Dx04	controlling	supporting	
	Network Key Set	SECURITY_NETWORK_KEY_SET	Dx05	controlling	supporting	
	Network Key Verify	SECURITY_NETWORK_KEY_VERIFY	Dx06	controlling	supporting	
	Security Scheme Inherent	SECURITY_SCHEME_INHERENT	Dx07	controlling	supporting	
	Nonce Challenge Request	SECURITY_NONCE_GET	Dx08	controlling	supporting	Both supporting
	Nonce Challenge Response	SECURITY_NONCE_REPORT	Dx09	controlling	supporting	Both supporting
	Security Message Encapsulation	SECURITY_MESSAGE_ENCAPSULATION	Dx0A	controlling	supporting	Both supporting
	Security 2 Nonce Get	SECURITY_2_NONCE_GET	Dx0B	controlling	supporting	Both supporting
	Security 2 Nonce Report	SECURITY_2_NONCE_REPORT	Dx0C	controlling	supporting	Both supporting
	Security 2 Message Encapsulation	SECURITY_2_MESSAGE_ENCAPSULATION	Dx0D	controlling	supporting	Both supporting
	Security 2 XEX Get	SECURITY_2_XEX_GET	Dx0E	controlling	supporting	Both supporting
	Security 2 XEX Report	SECURITY_2_XEX_REPORT	Dx0F	controlling	supporting	Both supporting
	Sensor Configuration Command Class	Simple AV Control Set	SIMPLE_AV_CONTROL_SET	Dx01	controlling	supporting
Simple AV Control Report		SIMPLE_AV_CONTROL_REPORT	Dx02	controlling	supporting	
Simple AV Control Supported Get		SIMPLE_AV_CONTROL_SUPPORTED_GET	Dx03	controlling	supporting	
Simple AV Control Supported Report		SIMPLE_AV_CONTROL_SUPPORTED_REPORT	Dx04	controlling	supporting	
Sound Switch Tones Number Get		SOUND_SWITCH_TONES_NUMBER_GET	Dx05	controlling	supporting	
Sound Switch Tones Number Report		SOUND_SWITCH_TONES_NUMBER_REPORT	Dx06	controlling	supporting	
Sensor Trigger Level Set		SENSOR_TRIGGER_LEVEL_SET	Dx07	controlling	supporting	
Sensor Trigger Level Report		SENSOR_TRIGGER_LEVEL_REPORT	Dx08	controlling	supporting	
Simple AV Control Set		SIMPLE_AV_CONTROL_SET	Dx09	controlling	supporting	
Simple AV Control Report		SIMPLE_AV_CONTROL_REPORT	Dx0A	controlling	supporting	

Sound Switch Command Class	Sound Switch Tone Info Get	SOUND_SWITCH_TONE_INFO_GET	0x05	controlling	supporting	-	-	-
	Sound Switch Tone Info Report	SOUND_SWITCH_TONE_INFO_REPORT	0x04	supporting	controlling	-	-	-
	Sound Switch Configuration Set	SOUND_SWITCH_CONFIGURATION_SET	0x05	controlling	supporting	-	-	-
	Sound Switch Configuration Get	SOUND_SWITCH_CONFIGURATION_GET	0x06	controlling	supporting	-	-	-
	Sound Switch Configuration Report	SOUND_SWITCH_CONFIGURATION_REPORT	0x07	supporting	controlling	-	-	-
Supervision Command Class	Supervision Get	SUPERVISION_GET	0x05	controlling	supporting	-	-	-
	Supervision Report	SUPERVISION_REPORT	0x02	supporting	controlling	-	-	-
	Tariff Table Supplier Set	TARIFF_TBL_SUPPLIER_SET	0x03	controlling	supporting	-	-	-
	Tariff Table Set	TARIFF_TBL_SET	0x03	controlling	supporting	-	-	-
	Tariff Table Remove	TARIFF_TBL_REMOVE	0x03	controlling	supporting	-	-	-
Tariff Table Monitor Command Class	Tariff Table Supplier Report	TARIFF_TBL_SUPPLIER_REPORT	0x03	controlling	supporting	-	-	-
	Tariff Table Get	TARIFF_TBL_GET	0x03	controlling	supporting	-	-	-
	Tariff Table Report	TARIFF_TBL_REPORT	0x04	supporting	controlling	-	-	-
	Tariff Table Cost Get	TARIFF_TBL_COST_GET	0x06	controlling	supporting	-	-	-
	Tariff Table Cost Report	TARIFF_TBL_COST_REPORT	0x06	supporting	controlling	-	-	-
Thermostat Fan Mode Command Class	Thermostat Fan Mode Set	THERMOSTAT_FAN_MODE_SET	0x03	controlling	supporting	-	-	-
	Thermostat Fan Mode Get	THERMOSTAT_FAN_MODE_GET	0x03	controlling	supporting	-	-	-
	Thermostat Fan Mode Report	THERMOSTAT_FAN_MODE_REPORT	0x03	supporting	controlling	-	-	-
	Thermostat Fan Mode Supported Get	THERMOSTAT_FAN_MODE_SUPPORTED_GET	0x04	controlling	supporting	-	-	-
	Thermostat Fan Mode Supported Report	THERMOSTAT_FAN_MODE_SUPPORTED_REPORT	0x05	supporting	controlling	-	-	-
Thermostat Fan State Command Class	Thermostat Fan State Get	THERMOSTAT_FAN_STATE_GET	0x03	controlling	supporting	-	-	-
	Thermostat Fan State Report	THERMOSTAT_FAN_STATE_REPORT	0x03	supporting	controlling	-	-	-
	Thermostat Mode Set	THERMOSTAT_MODE_SET	0x03	controlling	supporting	-	-	-
	Thermostat Mode Get	THERMOSTAT_MODE_GET	0x03	controlling	supporting	-	-	-
	Thermostat Mode Report	THERMOSTAT_MODE_REPORT	0x03	supporting	controlling	-	-	-
Thermostat Mode Command Class	Thermostat Mode Supported Get	THERMOSTAT_MODE_SUPPORTED_GET	0x04	controlling	supporting	-	-	-
	Thermostat Mode Supported Report	THERMOSTAT_MODE_SUPPORTED_REPORT	0x04	controlling	supporting	-	-	-
	Thermostat Operating State Get	THERMOSTAT_OPERATING_STATE_GET	0x03	controlling	supporting	-	-	-
	Thermostat Operating State Report	THERMOSTAT_OPERATING_STATE_REPORT	0x03	supporting	controlling	-	-	-
	Thermostat Operating State Logging Supported Get	THERMOSTAT_OPERATING_STATE_LOGGING_SUPPORTED_GET	0x03	controlling	supporting	-	-	-
Thermostat Operating State Command Class	Thermostat Operating State Logging Supported Report	THERMOSTAT_OPERATING_STATE_LOGGING_SUPPORTED_REPORT	0x04	supporting	controlling	-	-	-
	Thermostat Operating State Logging Get	THERMOSTAT_OPERATING_STATE_LOGGING_GET	0x05	controlling	supporting	-	-	-
	Thermostat Operating State Logging Report	THERMOSTAT_OPERATING_STATE_LOGGING_REPORT	0x05	controlling	supporting	-	-	-
	Thermostat Setback Set	THERMOSTAT_SETBACK_SET	0x03	controlling	supporting	-	-	-
	Thermostat Setback Get	THERMOSTAT_SETBACK_GET	0x02	controlling	supporting	-	-	-
Thermostat Setback Command Class	Thermostat Setback Report	THERMOSTAT_SETBACK_REPORT	0x03	controlling	supporting	-	-	-
	Thermostat Setpoint Set	THERMOSTAT_SETPOINT_SET	0x03	controlling	supporting	-	-	-
	Thermostat Setpoint Get	THERMOSTAT_SETPOINT_GET	0x02	controlling	supporting	-	-	-
	Thermostat Setpoint Report	THERMOSTAT_SETPOINT_REPORT	0x03	controlling	supporting	-	-	-
	Thermostat Setpoint Supported Get	THERMOSTAT_SETPOINT_SUPPORTED_GET	0x04	controlling	supporting	-	-	-
Thermostat Setpoint Command Class	Thermostat Setpoint Supported Report	THERMOSTAT_SETPOINT_SUPPORTED_REPORT	0x05	supporting	controlling	-	-	-
	Thermostat Setpoint Capabilities Get	THERMOSTAT_SETPOINT_CAPABILITIES_GET	0x05	controlling	supporting	-	-	-
	Thermostat Setpoint Capabilities Report	THERMOSTAT_SETPOINT_CAPABILITIES_REPORT	0x05	controlling	supporting	-	-	-
	Time Get	TIME_GET	0x03	controlling	supporting	-	-	-
	Time Report	TIME_REPORT	0x04	supporting	controlling	-	-	-
Time Command Class	Date Get	DATE_GET	0x03	controlling	supporting	-	-	-
	Date Report	DATE_REPORT	0x04	supporting	controlling	-	-	-
	Time Offset Set	TIME_OFFSET_SET	0x05	controlling	supporting	-	-	-
	Time Offset Get	TIME_OFFSET_GET	0x06	controlling	supporting	-	-	-
	Time Offset Report	TIME_OFFSET_REPORT	0x07	supporting	controlling	-	-	-
Time Parameters Command Class	Time Parameters Set	TIME_PARAMETERS_SET	0x03	controlling	supporting	-	-	-
	Time Parameters Get	TIME_PARAMETERS_GET	0x03	controlling	supporting	-	-	-
	Time Parameters Report	TIME_PARAMETERS_REPORT	0x03	supporting	controlling	-	-	-
	First Segment	COMMAND_FRAGMENT	0xC9	controlling	supporting	-	-	-
	Segment Complete	COMMAND_FRAGMENT_COMPLETE	0xC8	controlling	supporting	-	-	-
Transport Service Command Class	Segment Request	COMMAND_FRAGMENT_REQUEST	0xC8	supporting	controlling	-	-	-
	Segment Wait	COMMAND_FRAGMENT_WAIT	0xD0	supporting	controlling	-	-	-
	Subsequent segment	COMMAND_SUBSEQUENT_FRAGMENT	0xC9	controlling	supporting	-	-	-
	User Code Set	USER_CODE_SET	0x03	controlling	supporting	-	-	-
	User Code Get	USER_CODE_GET	0x02	controlling	supporting	-	-	-
User Code Command Class	User Code Report	USER_CODE_REPORT	0x03	supporting	controlling	-	-	-
	Users Number Get	USERS_NUMBER_GET	0x04	controlling	supporting	-	-	-
	Users Number Report	USERS_NUMBER_REPORT	0x05	supporting	controlling	-	-	-
	Version Get	VERSION_GET	0x12	controlling	supporting	-	-	-
	Version Report	VERSION_REPORT	0x12	supporting	controlling	-	-	-
Version Command Class	Version Command Class Get	VERSION_COMMAND_CLASS_GET	0x13	controlling	supporting	-	-	-
	Version Command Class Report	VERSION_COMMAND_CLASS_REPORT	0x14	controlling	supporting	-	-	-
	Version Capabilities Get	VERSION_CAPABILITIES_GET	0x13	controlling	supporting	-	-	-
	Version Capabilities Report	VERSION_CAPABILITIES_REPORT	0x16	supporting	controlling	-	-	-
	Version Z-Wave Software Get	VERSION_ZWAVE_SOFTWARE_GET	0x17	controlling	supporting	-	-	-
Wake Up Command Class	Version Z-Wave Software Report	VERSION_ZWAVE_SOFTWARE_REPORT	0x18	supporting	controlling	-	-	-
	Wake Up Interval Set	WAKE_UP_INTERVAL_SET	0x04	controlling	supporting	-	-	-
	Wake Up Interval Get	WAKE_UP_INTERVAL_GET	0x05	controlling	supporting	-	-	-
	Wake Up Interval Report	WAKE_UP_INTERVAL_REPORT	0x06	supporting	controlling	-	-	-
	Wake Up Notification	WAKE_UP_NOTIFICATION	0x07	controlling	supporting	-	-	-
Window Covering Command Class	Wake Up No More Information	WAKE_UP_NO_MORE_INFORMATION	0x08	controlling	supporting	-	-	-
	Wake Up Interval Capabilities Get	WAKE_UP_INTERVAL_CAPABILITIES_GET	0x09	controlling	supporting	-	-	-
	Wake Up Interval Capabilities Report	WAKE_UP_INTERVAL_CAPABILITIES_REPORT	0x0A	supporting	controlling	-	-	-
	Window Covering Supported Get	WINDOW_COVERING_SUPPORTED_GET	0x03	controlling	supporting	-	-	-
	Window Covering Supported Report	WINDOW_COVERING_SUPPORTED_REPORT	0x03	supporting	controlling	-	-	-
Z/IP Command Class	Window Covering Get	WINDOW_COVERING_GET	0x03	controlling	supporting	-	-	-
	Window Covering Report	WINDOW_COVERING_REPORT	0x04	supporting	controlling	-	-	-
	Window Covering Set	WINDOW_COVERING_SET	0x05	controlling	supporting	-	-	-
	Window Covering Start Level Change	WINDOW_COVERING_START_LEVEL_CHANGE	0x06	controlling	supporting	-	-	-
	Window Covering Stop Level Change	WINDOW_COVERING_STOP_LEVEL_CHANGE	0x07	controlling	supporting	-	-	-
Z/IP Gateway Command Class	Z/IP Packets	COMMAND_ZIP_PACKET	0x03	controlling	supporting	-	-	-
	Z/IP Keep Alive	COMMAND_ZIP_KEEP_ALIVE	0x03	controlling	supporting	-	-	-
	Gateway Mode Set	GATEWAY_MODE_SET	0x03	controlling	supporting	-	-	-
	Gateway Mode Get	GATEWAY_MODE_GET	0x03	controlling	supporting	-	-	-
	Gateway Mode Report	GATEWAY_MODE_REPORT	0x03	supporting	controlling	-	-	-
Z/IP Naming and Location Command Class	Gateway Peer Set	GATEWAY_PEER_SET	0x04	controlling	supporting	-	-	-
	Gateway Peer Get	GATEWAY_PEER_GET	0x05	controlling	supporting	-	-	-
	Gateway Peer Report	GATEWAY_PEER_REPORT	0x05	supporting	controlling	-	-	-
	Gateway Lock Set	GATEWAY_LOCK_SET	0x07	controlling	supporting	-	-	-
	Unsolicited Destination Set	UNSOLICITED_DESTINATION_SET	0x08	controlling	supporting	-	-	-
Z/IP ND Command Class	Unsolicited Destination Get	UNSOLICITED_DESTINATION_GET	0x09	controlling	supporting	-	-	-
	Unsolicited Destination Report	UNSOLICITED_DESTINATION_REPORT	0x0A	supporting	controlling	-	-	-
	Application Node Info Set	COMMAND_APPLICATION_NODE_INFO_SET	0x0B	controlling	supporting	-	-	-
	Application Node Info Get	COMMAND_APPLICATION_NODE_INFO_GET	0x0C	controlling	supporting	-	-	-
	Application Node Info Report	COMMAND_APPLICATION_NODE_INFO_REPORT	0x0D	supporting	controlling	-	-	-
Z/IP Portal Command Class	Z/IP Name Set	ZIP_NAMING_NAME_SET	0x01	controlling	supporting	-	-	-
	Z/IP Name Get	ZIP_NAMING_NAME_GET	0x01	controlling	supporting	-	-	-
	Z/IP Name Report	ZIP_NAMING_NAME_REPORT	0x01	supporting	controlling	-	-	-
	Z/IP Location Set	ZIP_NAMING_LOCATION_SET	0x04	controlling	supporting	-	-	-
	Z/IP Location Get	ZIP_NAMING_LOCATION_GET	0x05	controlling	supporting	-	-	-
Z-Wave Plus Info Command Class	Z/IP Location Report	ZIP_NAMING_LOCATION_REPORT	0x06	supporting	controlling	-	-	-
	Z/IP Node Advertisement	ZIP_NODE_ADVERTISEMENT	0x03	supporting	controlling	-	-	-
	Z/IP Node Solicitation	ZIP_NODE_SOLICITATION	0x03	controlling	supporting	-	-	-
	Z/IP Inverse Node Solicitation	ZIP_INV_NODE_SOLICITATION	0x04	controlling	supporting	-	-	-
	Gateway Configuration Set	GATEWAY_CONFIGURATION_SET	0x03	controlling	supporting	-	-	-
Z-Wave Plus Info Get	ZWAVEPLUS_INFO_GET	0x03	controlling	supporting	-	-	-	
Z-Wave Plus Info Report	ZWAVEPLUS_INFO_REPORT	0x04	supporting	controlling	-	-	-	