



Z-Wave Protocol Implementation Conformance Statement

High Load Switch

General Information

Product Identifier:	HE-HLS01
Brand Name:	HELTUN
Product Version:	HW: 82 FW: 1.01
Z-Wave Certification #:	ZC12-20070081

Product Features

Thermostat Power Source	Mains powered (120V/240V) Power Stealing (hard-wired 24V)
Switch Load Capacity Watts	4000
Switch Load Capacity Current	16A
Neutral Wire Required	Yes
Firmware Updatable	Updatable by Consumer by RF
Switch Type	Dry Contact
Thermostat HVAC Systems Supported	Heat Only
Thermostat Modes	Auto Changeover Away Dry Air Energy Save Heat Heat

Z-Wave Product Information

Supports Z-Wave Beaming Technology?	Yes
Supports Z-Wave Network Security?	Yes
Supports Z-Wave AES-128 Security S0?	Yes
Supports Security S2?	Yes: S2 Authenticated, S2 Unauthenticated
SmartStart Compatible?	Yes

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Z-Wave Technical Information

Z-Wave Frequency:	Chile, Australia / New Zealand, Brazil, China, Hong Kong, India, Israel, Japan, Malaysia, Russia, Singapore, South Africa, South Korea, UAE, U.S. / Canada / Mexico, CEPT (Europe)
Z-Wave Product ID:	0x000A
Z-Wave Product Type:	0x0004
Z-Wave Hardware Platform:	ZGM130
Z-Wave Development Kit Version:	7.11.1
Z-Wave Library Type:	Enhanced 232 Slave
Z-Wave Device Type / Role Type:	Binary Switch / Always On Slave

Association Group Information

Group # / Max	Description
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Nodes

1 / 1	This is the Lifeline Group 1 which sends status (lifeline) reports to the primary controller.
2 / 1	Group 2 – “Relay Basic Set”: is assigned to the HE-HT01 operating state. It sends a Basic Set command with value 0 (Off) when it goes to IDLE state and sends 255 (ON) when it goes into HEATING state.
3 / 1	Group 3 – “S1 Basic Set”: is assigned to the HE-HLS01 external input state. It sends a Basic Set command with value 255 (On) when external input is shorted and sends 0 (Off) when input is open.
4 / 1	Group 4 – “Temperature Sensor”: is assigned to the HE-HLS01 external temperature sensor and sends the sensor value when it changes.

Supported Command Classes (25):

Application Status	Association Group Information V3
Association V2	Basic V2
Clock	Configuration V4
Device Reset Locally	Firmware Update Meta-Data V5
Indicator V3	Manufacturer Specific V2
Meter V5	Multi-Channel Association V3
Notification V8	Powerlevel
Security S0	Security S2
Sensor Multilevel V11	Supervision
Switch Binary V2	Thermostat Mode V3
Thermostat Operating State	Thermostat Setpoint V3
Transport Service V2	Version V3
Z-Wave Plus Info V2	