4512785 - Namron Zigbee Heavy Duty 30A

Attributes

Cluster ID	Cluster Name	Attribute	ID	Type	Access	Default Value	Enum Values / Range	Description
0x0000	Basic	Zcl Version	0x0000	uint8	Read-only	0x08	Range: 0-255	
0x0000	Basic	Application Version	0x0001	uint8	Read-only	0x00	Range: 0-255	
0x0000	Basic	Stack Version	0x0002	uint8	Read-only	0x00	Range: 0-255	
0x0000	Basic	Hardware Version	0x0003	uint8	Read-only	0x00	Range: 0-255	
0x0000	Basic	Manufacturer Name	0x0004	string	Read-only	RedBox	String	
0x0000	Basic	Model Identifier	0x0005	string	Read-only	MeterSmartPlug	String	
0x0000	Basic	Date Code	0x0006	string	Read-only	20220610	String	
0x0000	Basic	Power Source	0x0007	enum8	Read-only	0x01	0x01=Mains	
0x0000	Basic	Sw Build Id	0x4000	string	Read-only	1.00	String	
0x0000	Basic	Cluster Revision	0xFFFD	uint16	Read-only	3	Range: 0-65535	
0x0002	Device Temperature Configuration	Current Temperature	0x0000	int16	Read-only	0x8000	Range: -32768 to 32767	
0x0002	Device Temperature Configuration	Device Temp Alarm Mask	0x0010	bitmap8	Read-only	0x00	Bit0=Low Temp Alarm Bit1=High Temp Alarm	
0x0002	Device Temperature Configuration	Low Temp Threshold	0x0011	int16	Read/Write	-10	Range: -32768 to 32767	
0x0002	Device Temperature Configuration	High Temp Threshold	0x0012	int16	Read/Write	110	Range: -32768 to 32767	
0x0003	Identify	Identify	0x0000	uint16	Read/Write	0x00	Range: 0-65535	
0x0003	Identify	Cluster Revision	0xFFFD	uint16	Read-only	2	Range: 0-65535	
0x0006	On/Off	On/Off	0x0000	bool	Read/Write	0	0x00=Off 0x01=On	
0x0006	On/Off	On Time	0x4001	uint16	Read/Write	0	Range: 0-65535	
0x0006	On/Off	Off Wait Time	0x4002	uint16	Read/Write	0	Range: 0-65535	
0x0006	On/Off	Cluster Revision	0xFFFD	uint16	Read-only	2	Range: 0-65535	
0x0402	Temperature Measurement	Measured Value	0x0000	int16	Read-only	0x8000	Range: -32768 to 32767	
0x0402	Temperature Measurement	Min Measured Value	0x0001	int16	Read-only	-100	Range: -32768 to 32767	
0x0402	Temperature Measurement	Max Measured Value	0x0002	int16	Read-only	1100	Range: -32768 to 32767	
0x0402	Temperature Measurement	Cluster Revision	0xFFFD	uint16	Read-only	3	Range: 0-65535	
0x04E0	730 Private Configuration	measuredValue2	0x0000	int16	Read-only	0x8000	Range: -32768 to 32767 (scaled /100 for °C)	
0x04E0	730 Private Configuration	resistanceValue1	0x0001	enum8	Read/Write	0x00	0x00=None 0x01=NTC-10K 0x02=NTC-12K 0x03=NTC-15K 0x04=NTC-22K 0x05=NTC-33K 0x06=NTC-47K	
0x04E0	730 Private Configuration	resistanceValue2	0x0002	enum8	Read/Write	0x00	0x00=None 0x01=NTC-10K 0x02=NTC-12K 0x03=NTC-15K 0x04=NTC-22K 0x05=NTC-33K 0x06=NTC-47K	
0x04E0	730 Private Configuration	waterSensorValue	0x0003	bool	Read-only	0x00	0x00=False 0x01=True	
0x04E0	730 Private Configuration	NTCCalibration1	0x0004	int8	Read/Write	0x00	Range: -100 to 100 (scaled x10)	
0x04E0	730 Private Configuration	NTCCalibration2	0x0005	int8	Read/Write	0x00	Range: -100 to 100 (scaled x10)	

0x04E0	730 Private Configuration	waterAlarmRelayAction	0x0006	enum8	Read/Write	0x00	0x00=None, 0x01=Alarm->Off->On, 0x02=Alarm->On->Off, 0x03=Alarm->Off->No change, 0x04=Alarm->On->No change, 0x05=No Alarm->Off->No change, 0x06=No Alarm->On->No change	Purpose: Defines how the relay should react when a water alarm is triggered or cleared. Possible values: 0x00 (0) – No action 0x01 (1) – If water alarm → Turn relay OFF → Turn ON again when alarm clears 0x02 (2) – If water alarm → Turn relay ON → Turn OFF again when alarm clears 0x03 (3) – If water alarm → Turn relay OFF → No further action 0x04 (4) – If water alarm → Turn relay ON → No further action 0x05 (5) – If NO water alarm → Turn relay OFF → No further action 0x06 (6) – If NO water alarm → Turn relay ON → No further action Use case: Automation for leak protection, e.g., shutting off water valves or disabling heating when a leak is detected.
0x04E0	730 Private Configuration	ntc1OperationSelect	0x0007	enum8	Read/Write	0x00	0x00=None 0x01=Off if higher->On if lower 0x02=On if higher->Off if lower 0x03=Off if higher->No change 0x04=On if higher->No change	Purpose: Defines how the relay should react based on temperature from the NTC1 sensor. Possible values: 0x00 (0) – No action 0x01 (1) – Turn relay OFF if temperature is above threshold → Turn ON again if below threshold 0x02 (2) – Turn relay ON if temperature is above threshold → Turn OFF again if below threshold 0x03 (3) – Turn relay OFF if temperature is above threshold → No further action 0x04 (4) – Turn relay ON if temperature is above threshold → No further action Use case: Temperature control for floor heating or heating elements.
0x04E0	730 Private Configuration	ntc2OperationSelect	0x0008	enum8	Read/Write	0x00	0x00=None 0x01=Off if higher->On if lower 0x02=On if higher->Off if lower 0x03=Off if higher->No change 0x04=On if higher->No change	Purpose: Same as NTC1, but applies to the NTC2 sensor. Possible values: 0x00 (0) – No action 0x01 (1) – Turn relay OFF if temperature is above threshold → Turn ON again if below threshold 0x02 (2) – Turn relay ON if temperature is above threshold → Turn OFF again if below threshold 0x03 (3) – Turn relay OFF if temperature is above threshold → No further action 0x04 (4) – Turn relay ON if temperature is above threshold → No further action Use case: Secondary temperature control, e.g., for another zone or sensor.
0x04E0	730 Private Configuration	ntc1RelayAutoTemp	0x0009	int16	Read/Write	300	Range: 0–100 (scaled x10)	
0x04E0	730 Private Configuration	ntc2RelayAutoTemp	0x000A	int16	Read/Write	300	Range: 0–100 (scaled x10)	
0x04E0	730 Private Configuration	overrideOption	0x000B	enum8	Read/Write	0x00	0x00=None 0x01=Water Alarm Priority 0x02=NTC Priority	
0x04E0	730 Private Configuration	ntc1TempHysterisis	0x000C	int8	Read/Write	300	Range: -100 to 100 (scaled x10)	
0x04E0	730 Private Configuration	ntc2TempHysterisis	0x000D	int8	Read/Write	300	Range: -100 to 100 (scaled x10)	
0x04E0	730 Private Configuration	waterConditionAlarm	0x000E	bool	Read-only	false	0x00=False 0x01=True	
0x04E0	730 Private Configuration	ntcConditionAlarm	0x000F	bool	Read-only	false	0x00=False 0x01=True	
0x04E0	730 Private Configuration	isExecuteCondition	0x0010	bool	Read/Write	false	0x00=False 0x01=True	

Commands

Cluster ID	Cluster Name	Command	ID	Description
0x04E0	730 Private Configuration	setClear	0x00	Clear Auto Trigger Flag