

Support Cluster

Cluster	Name
0x0000	Basic
0x0002	Device Temperature configuration
0x0003	Identify
0x0006	On/off
0x0019	OTA
0x0B04	Electrical Measurement
0x0702	Simple Metering
0x0402	Temperture Measurement
0x04E0	730 Private Configura

Cluster Support Attribute

Basic

Attribute Id	Attribute Name	Attribute Default Value
0x0000	Zcl Version	0x08
0x0001	Application Version	0x00
0x0002	Stack Version	0x00
0x0003	Hardwark Version	0x00
0x0004	Manufacturer Name	RedBox
0x0005	Model Identifier	MeterSmartPlug
0x0006	Date Code	20220610
0x0007	Power Source	0x01
0x4000	Sw Build Id	1.00
0xFFFD	Cluster Revision	3
0xFFFE	Report Status	NULL

Device Temperature configuration

Attribute Id	Attribute Name	Attribute Default Value	Data type	Value Declaration
0x0000	Current temperature	0x8000	INT16S	Device internal temp. -20 ~ 120
0x0010	device temp alarm mask	0x00	BITMAP8	Bit0: Alarm if temp. low , Bit1: Alarm if temp.high
0x0011	low temp threshold	-10	INT16S	means low or equal to -10°, Device will alarm(temp.>= -5°C Disalarm)
0x0012	high temp threshold	110	INT16S	means over or equal to 110°, Device will alarm (temp.<= 85°C Disalarm)

Identify

Attribute Id	Attribute Name	Attribute Default Value
0x0000	Identify	0x00
0xFFFD	Cluster Revision	2

On/off

Attribute Id	Attribute Name	Attribute Default Value
0x0000	On/off	0
0x4001	On time	0
0x4002	off wait time	0
0xFFFD	Cluster Revision	2

Over the Air Bootloading

Electrical Measurement

Attribute Id	Attribute Name	Attribute Default Value	Data Type	Value Declaration
0x0300	Ac Frequency	50		
0x0301	Ac Frequency Min	50		
0x0302	Ac Frequency Max	60		
0x0505	Rms Voltage	0		
0x0506	Rms Voltage Min	1800		
0x0507	Rms Voltage Max	2500		
0x0508	Rms Current	0		
0x0509	Rms Current Min	10		
0x050A	Rms Current Max	30000		
0x050B	Active Power	0		
0x050C	Active Power Min	1		
0x050D	Active Power Max	60000		
0x0600	Ac Voltage Multiplier	1		

Attribute Id	Attribute Name	Attribute Default Value	Data Type	Value Declaration
0x0601	Ac Voltage Divisor	10		
0x0602	Ac Current Multiplier	1		
0x0603	Ac Current Divisor	1000		
0x0604	Ac Power Multiplier	1		
0x0605	Ac Power Divisor	1		
0x0800	ac overload alarm mask	0x00	BITMAP16	Bit0: Over-voltage alarm Bit1: Over-current alarm
0x0801	Ac Voltage Overload	2500		
0x0802	Ac Current Overload	16000		
0x0803	Ac active Power Overload	30000		
0xFFFD	Cluster Revision	3		

Simple Metering

Attribute Id	Attribute Name	Attribute Default Value
0x0000	Current Summation Delivered	0x00
0x0301	Status	0x00
0x0302	unit of measure	0

Attribute Id	Attribute Name	Attribute Default Value
0x0505	multiplier	1
0x0506	divisor	1000
0x0507	summation formatting	0x03
0x0508	metering device type	0
0xFFFD	Cluster Revision	3

Temperture Measurement

Attribute Id	Attribute Name	Data Type	Attribute Default Value
0x0000	measured value	INT16S	0x8000
0x0001	min measured value	INT16S	-100
0x0002	max measured value	INT16S	1100
0xFFFD	Cluster Revision	3	

730 Private Configura

Attribute Id	Attribute Name	Data Type	Attribute Default Value
0x0000	measured value 2	INT16S	0x8000
0x0001	NTC1 value range (0 - 5)	ENUM8	0x00
0x0002	NTC2 value range (0 - 5)	ENUM8	0x00
0x0003	water sensor value	BOOLEAN	0x00
0x0004	NTC1 Calibration (-10 - 10)	INT8S	0x00

Attribute Id	Attribute Name	Data Type	Attribute Default Value
0x0005	NTC2 Calibration (-10 - 10)	INT8S	0x00
0x0006	Water alarm Relay Action 0x00 remain , 0x01 relay off	ENUM8	0x00
0x0007	NTC1 Action Select 0x00 No action	ENUM8	0x00
0x0008	NTC2 Action Select 0x00 No action	ENUM8	0x00
0x0009	NTC1 Auto Temp	INT16S	300
0x000A	NTC2 Auto Temp	INT16S	300
0x000B	Override Option	ENUM8	0
0x000C	NTC1 Temp Hysterisis	INT8S	(-10 - 10)
0x000D	NTC2 Temp Hysterisis	INT8S	(-10 - 10)
0x000E	Water Condition Alarm	BOOLEAN	false/true
0x000F	NTC Condition Alarm	BOOLEAN	false/true

730 Private Configura Command

Command Id	Command Name
0x00	Clear Auto Trigger Flag