

902010/20: Temperature Sensor

Device ID: Temperature Sensor 0x0302

Endpoint:0x01

Server Side	Client Side
Mandatory	
Basic(0x0000)	<i>None</i>
Identify(0x0003)	
Temperature Measurement(0x0402)	
Optional	
Power Configuration(0x0001)	<i>None</i>

Report cluster: Temperature Measurement(0x0402)

Report attribute: ATTRID_MS_TEMPERATURE_MEASURED_VALUE (0x0000)

Datatype: ZCL_DATATYPE_INT16

minReportInt:0

maxReportInt: at least 0x0A sec (10 sec), default value: 0x258 sec (600 sec)

902010/21: Magnetic Contact
902010/22: Movement sensor
902010/30: CO sensor

Device ID: IAS Zone: 0x0402
Endpoint: 0x01

Server Side	Client Side
Mandatory	
Basic(0x0000)	<i>None</i>
Identify(0x0003)	
IAS Zone(0x0500)	
Optional	
<i>None</i>	<i>None</i>

Report cluster: IAS Zone Cluster (0x0500),
Report attribute: ATTRID_SS_IAS_ZONE_STATUS(0x0002)
Datatype: ZCL_DATATYPE_BITMAP16
minReportInt:0
maxReportInt: at least 0x14 sec (20 sec), default value:0x708 sec (1800 sec)

902010/23: Remote Control

Device ID: Remote Control: 0x0006

Endpoint: 0x01

Server Side	Client Side
Mandatory	
Basic(0x0000)	Basic(0x0000)
Identify(0x0003)	On/Off (0x0006)
	Level Control(0x0008)
Optional	
Power Configuration(0x0001)	<i>None</i>

- LEVEL UP
- ON (hold 10 seconds for paring)
- OFF
- LEVEL DOWN

902010/24: Smoke Detector with siren

Device ID: IAS Zone: 0x0402

Endpoint: 0x01

Server Side	Client Side
Mandatory	
Basic(0x0000)	<i>None</i>
Identify(0x0003)	
IAS Zone(0x0500)	
Optional	
IAS WD(0x0502)	<i>None</i>

Report cluster: IAS Zone Cluster (0x0500),

Report attribute: ATTRID_SS_IAS_ZONE_STATUS(0x0002)

Datatype: ZCL_DATATYPE_BITMAP16

minReportInt:0

maxReportInt: at least 0x14 sec (20 sec), default value:0x708 sec (1800 sec)

902010/25: Smart Plug with Metering 16A

Device ID: Mains Power Outlet :0x0009

Endpoint:0x01

Server Side	Client Side
Mandatory	
Basic(0x0000)	<i>None</i>
Identify(0x0003)	
Groups(0x0004)	
Scenes (0x0005)	
On/Off (0x0006)	
Optional	
Metering (0x0702)	<i>None</i>

Report cluster: On/Off (0x0006)

Report attribute: ATTRID_ON_OFF (0x0000)

Datatype: ZCL_DATATYPE_BOOLEAN

minReportInt:0

maxReportInt: at least 0x05 sec (5 sec), default value:0x258 sec (600 sec)

Report cluster: Metering (0x0702)

Report attribute: ATTRID_SE_INSTANTANEOUS_DEMAND (0x0400)

Datatype: ZCL_DATATYPE_INT24

Report attribute: ATTRID_SE_CURRENT_SUMMATION_DELIVERED (0x0000)

Datatype: ZCL_DATATYPE_UINT48

minReportInt:0

maxReportInt: at least 0x05 sec (5 sec), default value:0x258 sec (600 sec)

902010/26: Smart Plug with Dimmer 2.5A

Device ID: Dimmer Switch :0x0104

Endpoint:0x01

Server Side	Client Side
Mandatory	
Basic(0x0000)	<i>None</i>
Identify(0x0003)	
Scenes (0x0005)	
On/Off (0x0006)	
Level Control(0x0008)	
Optional	
Groups(0x0004)	<i>None</i>

Report cluster: On/Off (0x0006)

Report attribute: ATTRID_ON_OFF (0x0000)

Datatype: ZCL_DATATYPE_BOOLEAN

minReportInt:0

maxReportInt: at least 0x0A sec (10 sec), default value:0x258 sec (600 sec)

Report cluster: Level Control(0x0008)

Report attribute: ATTRID_LEVEL_CURRENT_LEVEL (0x0000)

Datatype: ZCL_DATATYPE_UINT8

minReportInt:0

maxReportInt: at least 0x0A sec (10 sec), default value:0x258 sec (600 sec)

902010/27: Temperature and Humidity Sensor with Display

Device ID: Room Sensor 0x03FE (proprietary)

Endpoint:0x01

Server Side	Client Side
Mandatory	
Basic(0x0000)	<i>None</i>
Identify(0x0003)	
Optional	
Power Configuration(0x0001)	<i>None</i>
Temperature Measurement(0x0402)	
Relative Humidity Measurement(0x0405)	

Report cluster: Temperature Measurement(0x0402)

Report attribute: ATTRID_MS_TEMPERATURE_MEASURED_VALUE (0x0000)

Datatype: ZCL_DATATYPE_INT16

minReportInt:0

maxReportInt: at least 0x0A sec (10 sec), default value: 0x258 sec (600 sec)

Report cluster: Relative Humidity Measurement(0x0405)

Report attribute: ATTRID_MS_RELATIVE_HUMIDITY_MEASURED_VALUE (0x0000)

Datatype: ZCL_DATATYPE_UINT16

minReportInt:0

maxReportInt: at least 0x0A sec (10 sec), default value: 0x258 sec (600 sec)

902010/28: Smart Plug 16A

Device ID: On Off Output :0x0002

Endpoint:0x01

Server Side	Client Side
Mandatory	
Basic(0x0000)	<i>None</i>
Identify(0x0003)	
Groups(0x0004)	
Scenes (0x0005)	
On/Off (0x0006)	
Optional	
<i>None</i>	<i>None</i>

Report cluster: On/Off (0x0006)

Report attribute: ATTRID_ON_OFF (0x0000)

Datatype: ZCL_DATATYPE_BOOLEAN

minReportInt:0

maxReportInt: at least 0x14 sec (20 sec), default value:0x708 sec (1800 sec)

902010/29: Outdoor Siren

Device ID: IAS Warning Device: 0x0403

Endpoint: 0x01

Server Side	Client Side
Mandatory	
Basic(0x0000)	<i>None</i>
Identify(0x0003)	
IAS Zone(0x0500)	
IAS WD(0x0502)	
Optional	
<i>None</i>	<i>None</i>

Report cluster: IAS Zone Cluster (0x0500)

Report attribute: ATTRID_SS_IAS_ZONE_STATUS (0x0002)

Datatype: ZCL_DATATYPE_BITMAP16

minReportInt: 0

maxReportInt: default value:0x708 sec (1800 sec)

Attributes Information of Clusters

Attributes of the Basic cluster Information

Identifier	Name	Type	Range	Access	Default	Mandatory / Optional
0x0000	ZCLVersion	Unsigned 8-bit integer	0x00 – 0xff	Read only	0x01	M
0x0001	ApplicationVersion	Unsigned 8-bit integer	0x00 – 0xff	Read only	0x01	O
0x0003	HWVersion	Unsigned 8-bit integer	0x00 – 0xff	Read only	0	O
0x0004	ManufacturerName	Character string	0 – 32 bytes	Read only	Bitron Video* Bitron Home	O
0x0005	ModelIdentifier	Character string	0 – 32 bytes	Read only	902010/20 902010/21 902010/22 902010/23 902010/24 902010/25 902010/26 902010/27 902010/28 902010/29 902010/30	O
0x0006	DateCode	Character string	0 – 16 bytes	Read only	yyyymmdd	O
0x0007	PowerSource	8-bit Enumeration	0x00 – 0xff	Read only		M
0x0010	LocationDescription	Character string	0 – 32 bytes	Read / Write		O
0x0011	PhysicalEnvironment	8-bit Enumeration	0x00 – 0xff	Read / Write	0x00	O
0x0012	DeviceEnabled	Boolean	0x00 – 0x01	Read / Write	0x01	M

* Firmware version “0” only

Attributes of the Identify cluster Information

Identifier	Name	Type	Range	Access	Default	Mandatory / Optional
0x0000	IdentifyTime	Unsigned 16-bit integer	0x00 – 0xffff	Read / Write	0x0000	M

Attributes of the IAS Zone cluster Information

Identifier	Name	Type	Range	Access	Default	Mandatory / Optional
0x0001	ZoneState	8-bit Enumeration	All	Read only	0x00	M
0x0002	ZoneType	8-bit Enumeration	All	Read only		M
0x0003	ZoneStatus	16-bit bitmap	All	Read only	0x00	M
0x0010	IAS_CIE_Address	IEEE address	Valid 64bit IEEE address	Read/ Write		M
0x0011	Zone ID	16-bit bitmap	All	Read only	0xFF	M

Attributes of the IAS WD cluster Information

Identifier	Name	Type	Range	Access	Default	Mandatory / Optional
0x0000	MaxDuration	Unsigned 16-bit integer	0x00 – 0xffff	Read / Write	180	M

Attributes of the On/Off cluster Information

Identifier	Name	Type	Range	Access	Default	Mandatory / Optional
0x0000	OnOff	Boolean	0x00 – 0x01	Read only	0x00	M

Attributes of the Power Configuration cluster Information

Identifier	Name	Type	Range	Access	Default	Mandatory / Optional
0x0035	BatteryAlarmMask	Bitmap (8-bits)	0000 000x	Read / Write	0000 0000	O

Attributes of the Temperature Measurement cluster Information

Identifier	Name	Type	Range	Access	Default	Mandatory / Optional
0x0000	MeasuredValue	Signed 16-bit Integer	MinMeasuredValue to MaxMeasuredValue	Read only	0x00	M
0x0001	MinMeasuredValue	Signed 16-bit Integer	0x954d – 0x7ffe	Read only	-1000 (-10°C)	M
0x0002	MaxMeasuredValue	Signed 16-bit Integer	0x954e – 0x7fff	Read only	5000 (50°C)	M
0x0003	Tolerance	Unsigned 16-bit Integer	0x0000 – 0x0800	Read only	100 (1°C)	O

Attributes of the Relative Humidity Measurement cluster Information

Identifier	Name	Type	Range	Access	Default	Mandatory / Optional
0x0000	MeasuredValue	Unsigned 16-bit Integer	MinMeasuredValue to MaxMeasuredValue	Read only		M
0x0001	MinMeasuredValue	Unsigned 16-bit Integer	0x0000 – 0x270f	Read only	0 (0%)	M
0x0002	MaxMeasuredValue	Unsigned 16-bit Integer	0x0001 – 0x2710	Read only	10000 (100%)	M
0x0003	Tolerance	Unsigned 16-bit Integer	0x0000 – 0x0800	Read only	200 (2%)	O

Attributes of the Metering cluster Information (Reading Information Attribute Set)

Identifier	Name	Type	Range	Access	Default	Mandatory / Optional
0x00	CurrentSummation Delivered	Unsigned 48-bit Integer	0x000000000000 to 0xFFFFFFFFFFFF	Read Only		M

Attributes of the Metering cluster Information (Formatting Attribute Set)

Identifier	Name	Type	Range	Access	Default	Mandatory / Optional
0x00	UnitofMeasure	8-bit Enumeration	0x00 to 0xFF	Read Only	0x00	M
0x01	Multiplier	Unsigned 24-bit Integer	0x000000 to 0xFFFFFF	Read Only	1	O
0x02	Divisor	Unsigned 24-bit Integer	0x000000 to 0xFFFFFF	Read Only	10000	O
0x03	SummationFormating	8-bit BitMap	0x00 to 0xFF	Read Only	0xF9	M
0x04	DemandFormating	8-bit BitMap	0x00 to 0xFF	Read Only	0x93	O
0x06	MeteringDeviceType	8-bit BitMap	0x00 to 0xFF	Read Only	0x00	M

Attributes of the Metering cluster Information (Historical Attribute Set)

Identifier	Name	Type	Range	Access	Default	Mandatory / Optional
0x00	InstantaneousDemand	Signed 24-bit Integer	-8,388,607 to 8,388,607	Read Only	0x00	O

Attributes of the Level cluster Information

Identifier	Name	Type	Range	Access	Default	Mandatory / Optional
0x0000	CurrentLevel	Unsigned 8-bit integer	0x00 –0xff	Read only	0x00	M

Attributes of the Scenes cluster Information

Identifier	Name	Type	Range	Access	Default	Mandatory / Optional
0x0000	SceneCount	Unsigned 8-bit integer	0x00 –0xff	Read only	0x00	M
0x0001	CurrentScene	Unsigned 8-bit integer	0x00 –0xff	Read only	0x00	M
0x0002	CurrentGroup	Unsigned 16-bit integer	0x0000 – 0xffff7	Read only	0x00	M
0x0003	SceneValid	Boolean	0x00 – 0x01	Read only	0x00	M
0x0004	NameSupport	8-bit BitMap	x0000000	Read only		M