

mains power outlet

Endpoint 1

Profile	Device	Device version
0x0104	0x0009	0x0000

Clusters

Cluster id	Name	Server/Client
0x0000	Basic	Server
0x0003	Identify	Client
0x0003	Identify	Server
0x0004	Groups	Server
0x0005	Scenes	Server
0x0006	On/off	Server
0x0009	Alarms	Server
0x000A	Time	Client
0x0019	Over the Air Bootloading	Client
0x0402	Temperature Measurement	Server
0x0B04	Electrical Measurement	Server

0x1000	ZLL Commissioning	Server
0xFEE1	Datek on off configuration	Server
0xFEED	Datek diagnostics cluster	Server

Attributes Basic (0x0000) server cluster

Attribute id	Name	Type	Initial value	Manufacturer code	Reporting
0x0000	ZCL version	INT8U	3		
0x0001	application version	INT8U	0		
0x0002	stack version	INT8U	65		
0x0003	hardware version	INT8U	2		
0x0004	manufacturer name	CHAR_STRIN G	Datek		
0x0005	model identifier	CHAR_STRIN G	PoP		
0x0007	power source	ENUM8	1		
0x4000	sw build id	CHAR_STRIN G	NULL		

0xFFFFD	cluster revision	INT16U	1		
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Attributes Identify (0x0003) client cluster

Attribute id	Name	Type	Initial value	Manufacturer code	Reporting
0xFFFFD	cluster revision	INT16U	1		

Attributes Identify (0x0003) server cluster

Attribute id	Name	Type	Initial value	Manufacturer code	Reporting
0x0000	identify time	INT16U	0		
0xFFFFD	cluster revision	INT16U	1		

Attributes Groups (0x0004) server cluster

Attribute id	Name	Type	Initial value	Manufacturer code	Reporting
0x0000	name support	BITMAP8	0		
0xFFFFD	cluster revision	INT16U	1		

Attributes Scenes (0x0005) server cluster

Attribute id	Name	Type	Initial value	Manufacturer code	Reporting
0x0000	scene count	INT8U	0		

0x0001	current scene	INT8U	0		
0x0002	current group	INT16U	0		
0x0003	scene valid	BOOLEAN	0		
0x0004	name support	BITMAP8	0		
0xFFFD	cluster revision	INT16U	1		

Attributes On/off (0x0006) server cluster

Attribute id	Name	Type	Initial value	Manufacturer code	Reporting
0x0000	on/off	BOOLEAN	0		min: 1, max: 65534, reportable_change: 0
0x4003	start up on off	ENUM8	255		
0xFFFD	cluster revision	INT16U	1		

Attributes Alarms (0x0009) server cluster

Attribute id	Name	Type	Initial value	Manufacturer code	Reporting
0x0000	alarm count	INT16U	0		min: 0, max: 0, reportable_change: 1

0xFFFFD	cluster revision	INT16U	1		
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Attributes Time (0x000A) client cluster

Attribute id	Name	Type	Initial value	Manufacturer code	Reporting
0xFFFFD	cluster revision	INT16U	1		

Attributes Over the Air Bootloading (0x0019) client cluster

Attribute id	Name	Type	Initial value	Manufacturer code	Reporting
0x0000	OTA Upgrade Server ID	IEEE_ADDRE SS	184467440737 09551615		
0x0001	Offset (address) into the file	INT32U	4294967295		
0x0006	OTA Upgrade Status	ENUM8	0		
0xFFFFD	cluster revision	INT16U	1		

Attributes Temperature Measurement (0x0402) server cluster

Attribute id	Name	Type	Initial value	Manufacturer code	Reporting
0x0000	measured	INT16S	65535		min: 10, max:

	value				0, reportable_change: 50
0x0001	min measured value	INT16S	32768		
0x0002	max measured value	INT16S	32768		
0x0400	Temperature offset	INT8S	&(minMaxDefaults[0])	0x1337	
0xFFFFD	cluster revision	INT16U	1		

Attributes Electrical Measurement (0x0B04) server cluster

Attribute id	Name	Type	Initial value	Manufacturer code	Reporting
0x0000	measurement type	BITMAP32	1		
0x0300	ac frequency	INT16U	65535		
0x0301	ac frequency min	INT16U	65535		
0x0302	ac frequency max	INT16U	65535		
0x0400	ac frequency	INT16U	1		

	multiplier				
0x0401	ac frequency divisor	INT16U	1000		
0x0505	rms voltage	INT16U	65535		
0x0506	rms voltage min	INT16U	65535		
0x0507	rms voltage max	INT16U	65535		
0x0508	rms current	INT16U	65535		
0x0509	rms current min	INT16U	65535		
0x050A	rms current max	INT16U	65535		
0x050B	active power	INT16S	32768		
0x050C	active power min	INT16S	32768		
0x050D	active power max	INT16S	32768		
0x0600	ac voltage multiplier	INT16U	1		

0x0601	ac voltage divisor	INT16U	100		
0x0602	ac current multiplier	INT16U	1		
0x0603	ac current divisor	INT16U	1000		
0x0604	ac power multiplier	INT16U	1		
0x0605	ac power divisor	INT16U	1		
0x0800	ac overload alarms mask	BITMAP16	2		
0x4000	Calibration factor	INT16U	&(minMaxDefa ults[1])	0x1337	
0xFFFFD	cluster revision	INT16U	1		

Attributes ZLL Commissioning (0x1000) server cluster

Attribute id	Name	Type	Initial value	Manufacturer code	Reporting
0xFFFFD	cluster revision	INT16U	1		

Attributes Datek on off configuration (0xFEE1) server cluster

Attribute id	Name	Type	Initial value	Manufacturer code	Reporting
0x0000	off if offline	INT8U	&(minMaxDefaults[2])	0x1337	
0x0001	frost guard temperature	INT8U	&(minMaxDefaults[3])	0x1337	
0x0002	frost guard temperature hysteresis	INT8U	&(minMaxDefaults[4])	0x1337	
0x0003	frost guard minutes between change	INT8U	&(minMaxDefaults[5])	0x1337	
0x0004	on time	INT16U	&(minMaxDefaults[6])	0x1337	
0x0010	on/off configuration mode	ENUM8	&(minMaxDefaults[7])	0x1337	
0xFFFFD	cluster revision	INT16U	1		

Attributes Datek diagnostics cluster (0xFEED) server cluster

Attribute id	Name	Type	Initial value	Manufacturer code	Reporting
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0x0000	last reset info	INT8U	0	0x1337	
0x0001	last extended reset info	INT16U	0	0x1337	
0x0002	reboot counter	INT16U	0	0x1337	
0x0003	last hop lqi	INT8U	0	0x1337	
0x0004	last hop rssi	INT8S	0	0x1337	
0x0005	tx power	INT8S	0	0x1337	
0x0010	Button 0 click counter	INT16U	0	0x1337	
0x0020	Button 0 ms click duration	INT16U	0	0x1337	
0x0100	Electrical measurement avg	INT16U	0	0x1337	
0x0101	Electrical measurement raw sampled rms * 100	INT16U	0	0x1337	
0x0102	Electrical measurement noise without load * 100	INT16U	0	0x1337	

0x0103	Electrical measurement load noise * 100	INT16U	0	0x1337	
0xFFFFD	cluster revision	INT16U	1		

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Profile	Device	Device version
0xa1e0	0x0066	0x0000

Clusters

Cluster id	Name	Server/Client
0x0021	Green Power	Client
0x0021	Green Power	Server

Attributes Green Power (0x0021) client cluster

Attribute id	Name	Type	Initial value	Manufacturer code	Reporting
0x0010	gpp max proxy table entries	INT8U	20		
0x0011	proxy table	LONG_OCTET _STRING	0		

0x0016	gpp functionality	BITMAP24	633903		
0x0017	gpp active functionality	BITMAP24	16777215		
0x0022	gp link key	SECURITY_K EY	760172824100 690489459489 720712271895 94		
0xFFFD	cluster revision	INT16U	1		

Attributes Green Power (0x0021) server cluster

Attribute id	Name	Type	Initial value	Manufacturer code	Reporting
0x0000	gps max sink table entries	INT8U	5		
0x0001	sink table	LONG_OCTET _STRING	0		
0x0002	gps communication mode	BITMAP8	1		
0x0003	gps commissioning exit mode	BITMAP8	2		

0x0005	gps security level	BITMAP8	1		
0x0006	gps functionality	BITMAP24	NULL		
0x0007	gps active functionality	BITMAP24	16777215		
0x0022	gp link key	SECURITY_KEY	760172824100 690489459489 720712271895 94		
0xFFFD	cluster revision	INT16U	1		

Commands

Cluster	Command	Name	Direction
Basic (0x0000)	0	ResetToFactoryDefaults	Incoming server
Identify (0x0003)	0	Identify	Outgoing client, Incoming server
Identify (0x0003)	0	IdentifyQueryResponse	Outgoing server
Identify (0x0003)	1	IdentifyQuery	Outgoing client, Incoming server
Groups (0x0004)	0	AddGroupResponse	Outgoing server

Groups (0x0004)	0	AddGroup	Incoming server
Groups (0x0004)	1	ViewGroupResponse	Outgoing server
Groups (0x0004)	1	ViewGroup	Incoming server
Groups (0x0004)	2	GetGroupMembershipResponse	Outgoing server
Groups (0x0004)	2	GetGroupMembership	Incoming server
Groups (0x0004)	3	RemoveGroupResponse	Outgoing server
Groups (0x0004)	3	RemoveGroup	Incoming server
Groups (0x0004)	4	RemoveAllGroups	Incoming server
Groups (0x0004)	5	AddGroupIfIdentifying	Incoming server
Scenes (0x0005)	0	AddSceneResponse	Outgoing server
Scenes (0x0005)	0	AddScene	Incoming server
Scenes (0x0005)	1	ViewSceneResponse	Outgoing server
Scenes (0x0005)	1	ViewScene	Incoming server
Scenes (0x0005)	2	RemoveSceneResponse	Outgoing server
Scenes (0x0005)	2	RemoveScene	Incoming server

Scenes (0x0005)	3	RemoveAllScenesResponse	Outgoing server
Scenes (0x0005)	3	RemoveAllScenes	Incoming server
Scenes (0x0005)	4	StoreSceneResponse	Outgoing server
Scenes (0x0005)	4	StoreScene	Incoming server
Scenes (0x0005)	5	RecallScene	Incoming server
Scenes (0x0005)	6	GetSceneMembershipResponse	Outgoing server
Scenes (0x0005)	6	GetSceneMembership	Incoming server
On/off (0x0006)	0	Off	Incoming server
On/off (0x0006)	1	On	Incoming server
On/off (0x0006)	2	Toggle	Incoming server
Alarms (0x0009)	0	Alarm	Outgoing server
Alarms (0x0009)	0	ResetAlarm	Incoming server
Alarms (0x0009)	1	GetAlarmResponse	Outgoing server
Alarms (0x0009)	1	ResetAllAlarms	Incoming server
Alarms (0x0009)	2	GetAlarm	Incoming server
Over the Air	1	QueryNextImageRequest	Outgoing client

Bootloading (0x0019)		st	
Over the Air Bootloading (0x0019)	3	ImageBlockRequest	Outgoing client
Over the Air Bootloading (0x0019)	6	UpgradeEndRequest	Outgoing client
Green Power (0x0021)	0	GpNotification	Incoming server
Green Power (0x0021)	0	GpNotificationResponse	Incoming client
Green Power (0x0021)	1	GpPairing	Incoming client
Green Power (0x0021)	2	GpProxyCommissioningMode	Incoming client
Green Power (0x0021)	4	GpCommissioningNotification	Incoming server
Green Power (0x0021)	5	GpSinkCommissioningMode	Incoming server
Green Power (0x0021)	6	GpResponse	Incoming client
Green Power (0x0021)	10	GpSinkTableResponse	Incoming client
Green Power (0x0021)	11	GpProxyTableRequest	Incoming client
ZLL Commissioning (0x1000)	1	ScanResponse	Outgoing server

ZLL Commissioning (0x1000)	3	DeviceInformationResponse	Outgoing server
ZLL Commissioning (0x1000)	17	NetworkStartResponse	Outgoing server
ZLL Commissioning (0x1000)	19	NetworkJoinRouterResponse	Outgoing server
ZLL Commissioning (0x1000)	21	NetworkJoinEndDeviceResponse	Outgoing server
ZLL Commissioning (0x1000)	64	EndpointInformation	Outgoing server
ZLL Commissioning (0x1000)	65	GetGroupIdentifiersResponse	Outgoing server
ZLL Commissioning (0x1000)	65	GetGroupIdentifiersRequest	Incoming server
ZLL Commissioning (0x1000)	66	GetEndpointListResponse	Outgoing server
ZLL Commissioning (0x1000)	66	GetEndpointListRequest	Incoming server
Datek diagnostics cluster (0xFEED)	0	pingResponse	Outgoing server, Manufacturer specific
Datek diagnostics cluster (0xFEED)	0	pingRequest	Incoming server, Manufacturer specific

