

EasyBus3[®] SDATAWAY

Easy3 System – Technical documentation

Easy3-H – Easy3-M



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1 Technical characteristic

BACnet MS/TP	Medium	RS-485
	Transmission formats	1-8-N-1, 1-8-E-1 and 1-8-O-1 (start bit, data bits, parity, stop bits)
	Baud rates	9600, 19200, 38400, 57600, 115200
	Termination	With/Without
BACnet IP	IP address assignment	Static or DHCP
	Parametrization	Device menu

2 Operation

Device ID	1..4 194 302	General configuration
APDU Timeout	1000..60000	General configuration
APDU Retries	1..255	General configuration
Max Master	1..127	General configuration
Max Info Frames	1..255	General configuration
UDP Port	1..65536	General configuration

3 General Information and BIBBs

General information	Vendor Name	SDATAWAY
	Vendor Identifier	1201
	BACnet Protocol Revision	12
	BACnet Standard Device Profile	BACnet Application Specific Controller (B-ASC)
	Segmentation Capability	Both
	Data Link Layer Options	MS/TP master Baud Rates: 9600, 19200, 38400, 57600, 115200 BACnet IP master
	Device Address Binding	Static or DHCP
	Character Sets Supported	ISO 10646 (UTF-8)
	Network Security Options	Non-secure device
BIBBS BACnet Interoperability Building Blocks supported	DS-COV-B	Data Change of Value-B
	DS-RP-B	Data Sharing-Read Property-B
	DS-RPM-B	Data Sharing-Read Property Multiple-B
	DS-WP-B	Data Sharing-Write Property-B
	DS-WPM-B	
	DM-DDB-B	Device Management-Dynamic Device Binding-B
	DM-DOB-B	Device Management-Dynamic Object Binding-B
	DM-DCC-B	Device Management-Device Communication Control-B
	DM-RD-B	Device Management-Reinitialize Device-B

4 PICS Protocol Implementation Conformance Statement

Object Type	Optional Properties	Writable Properties
Device	Description Active COV Subscriptions APDU Segment timeout Max segment accepted <u>BACnet MS/TP</u> Max Master Max Info Frames	
Analog Input [AI]	Description Reliability COV Increment	Out of service COV Increment
Analog Output [AO]	Description Reliability COV Increment	Present value Reliability Out of service Relinquish default COV Increment
Binary Input [BI]	Description	Out of service
Binary Output [BO]	Description Reliability	Present value Out of service Relinquish default
Multi-state Input [MI]	Description State text	Out of service
Multi-state Output [MO]	Description State text	Present value Out of service Relinquish default

- The device does not support the services CreateObject and DeleteObject
- The device supports the DeviceCommunicationControl services. No password is required
- A maximum of 128 active COV subscriptions with a lifetime of 1...28800 sec. (8 hours) are supported

5 BACnet object list

Object Type / Instance(s)	Object name	Values/ Default	Unit	COV Support	Description	Access
AI / 1	Bus Watchdog countdown	30	secondes	Yes	Bus watchdog countdown (is reset reset bus watchdog countdown)	r
BO / 2	Reset bus watchdog countdown	-	-	Yes	A write command (0 or 1) resets the countdown to 30secondes	w
BO / 3	Control Watchdog	-	-	Yes	Activate or deactivate bus watchdog countdown	w
MASTER 11 objects	Objects below are specific to each master connected					
MSO	Control Master	-	-	No	Stop = 1, Run = 2, Fire = 3	w
MSI	Status Master	0	-	No	Stop = 0, Run, Scan, Fire, All Open Slave	r
AI	Quantity of slave	0	-	Yes	Quantity of slave attached to master	r
AI	Quantity error of slave	0	-	Yes	Quantity of slave with communication error	r
BI	Fire	0	-	Yes	Fire detection for master	r
AI	EasyBus cycle time	0	Milliseconds	Yes	Time between every read slave cycle	r
AI	Firmware version	0	-	Yes	Firmware revision number 1104 => 1.4 Offset of 10, 1.4 become 11.4 and it's multiply by 100	r
AI	Unique id 1	0	-	Yes	Unique Id for each master	r
AI	Unique id 2	0	-	Yes	Unique Id for each master	r
AI	Channel Easy 2	0	-	Yes	Channel number for easy 2 master	r
AI	Channel Easy 3	0	-	Yes	Channel number for easy 3 master	r
Slave 4- 14 objects	After scanning the Easy modules will appear and can be control by their specific objects.					