KHS®

Data point list Master2.0

Physical interface	Ethernet
Protocol	BACnet IP or optionally MS/TP
Network Number/UDP Port/IP Mode/MS-TP Address/Baud Rate	Can be configured on the web server
Gateway Default IP Address/Subnet/Gateway	10.1.23.151 / 255.255.255.0 / 10.1.23.1

Explanation:
AI 120 - Analogue input with the current temperature of the Master
AI 220 - Analogue input with the current temperature of Slave1
AI 320 - Analogue input with the current temperature of Slave2 etc.

BACnet units, etc., can be obtained subsequently from the EDE file. (The EDE file can be created with the gateway)
BACnet data points made available with read and write capability occupy data points in Gateway 2.

Object ID	Data type	Data point	Area [Unit]	Access	Comment
Only 1 set of system variables exists (in Master 2.0)					
BV-101	Binary Value	System restart	Read always '0' | System restart on '1'	Read Write	
MV-102	Multi-State Value	Mode	1-System locked |2-P1 |3-P2	Read Write	
AV-103	Analogue Value	Time Hour	Hour	Read Write	
AV-104	Analogue Value	Time Minute	Minute	Read Write	
AV-105	Analogue Value	Time Seconds	Seconds	Read Write	
AV-106	Analogue Value	Date Day	Day	Read Write	
AV-107	Analogue Value	Date Month	Month	Read Write	
AV-108	Analogue Value	Date Year	Year	Read Write	
MV-109	Multi-State Value	Create file on Micro SD card	0-Ready/complete 1-Create log 2-Create flushing log 3-Create current datalog 4-Save configuration	Read Write	The Master will not respond to requests while creating a logfile. The web server (Modbus,FTP,HTTP) will be reachable again as soon as the file has been created. The flag then resets to "0"
AI-138	Analogue Input	Main Revision of Software Version	Main revision of software version	Read	
AI-139	Analogue Input	Minor Revision of Software Version	Minor revision of software version	Read	
AI-140	Analogue Input	Software version	Third digit of version code	Read	
The following values can exist as many as 62 times! See explanation above					
AI-110	Analogue Input	Serial number	Device serial number	Read	
AI-120	Analogue Input	Current temperature	Temperature in °C	Read	
AI-121	Analogue Input	Current flow	Litres/min with one decimal point	Read	
AI-122	Analogue Input	Current volume	Litres with one decimal point	Read	
AI-123	Analogue Input	Operating cycle counter	Current number of operating cycles	Read	
MV-124	Multi-State Value	Manual mode	1 - Automatic operation 2- Manual operation Open 3 - Manual operation Close 5 - Open B valve with A valve (adheres to sequence and waiting times!) 6 - Close B valve with A valve (adheres to sequence and waiting times!)	Read Write	
Error messages					
BV-125	Binary Value	Acknowledge error	Group error| Acknowledge error	Read Write	
BI-126	Binary Input	Runtime temperature timer exceeded	0-no | 1-yes	Read	
BI-127	Binary Input	Backflow pending	0-no | 1-yes	Read	
BI-128	Binary Input	Backflow error noted	0-no | 1-yes	Read	
BI-129	Binary Input	Operating cycles >10000	0-no | 1-yes	Read	
BI-130	Binary Input	Communication failure Bus A	0-no | 1-yes	Read	Present on Master
BI-131	Binary Input	Communication failure Bus B	0-no | 1-yes	Read	Present on Master
BI-232	Binary Input	Bus communication error	0-no | 1-yes	Read	Present on Slave 1- 62
BI-133	Binary Input	Leak pending	0-no | 1-yes	Read	
BI-134	Binary Input	Leak error noted	0-no | 1-yes	Read	
BI-135	Binary Input	Flow despite closed valve	0-no | 1-yes	Read	
BI-136	Binary Input	No flow despite open valve	0-no | 1-yes	Read	
State					
BI-137	Binary Input	Open valve	0-no | 1-yes	Read	