

Input Registers

Modbus	Range	Register	Min	Max	Unit	Type	Factor	Notes
3:00001		Gateway Serial Number	0	0xFFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF	see Notes	uint16 x 4 reg.	-	64-bit number contained in 4 consecutive registers
3:00005		Gateway Software Version Major	0	255	number	uint16	-	
3:00006		Gateway Software Version Minor	0	255	number	uint16	-	
3:00007		Gateway Software Version Micro	0	255	number	uint16	-	
3:00051		Gateway number of zones	0	12	number	uint16	-	
3:00061		Gateway actuator 1 status	0	2	enum	uint16	-	0 - Closed, 1 - Open, 2 - Unallocated
3:00062		Gateway actuator 2 status	0	2	enum	uint16	-	0 - Closed, 1 - Open, 2 - Unallocated
3:00063		Gateway actuator 3 status	0	2	enum	uint16	-	0 - Closed, 1 - Open, 2 - Unallocated
3:00064		Gateway actuator 4 status	0	2	enum	uint16	-	0 - Closed, 1 - Open, 2 - Unallocated
3:00065		Gateway actuator 5 status	0	2	enum	uint16	-	0 - Closed, 1 - Open, 2 - Unallocated
3:00066		Gateway actuator 6 status	0	2	enum	uint16	-	0 - Closed, 1 - Open, 2 - Unallocated
3:00067		Gateway actuator 7 status	0	2	enum	uint16	-	0 - Closed, 1 - Open, 2 - Unallocated
3:00068		Gateway actuator 8 status	0	2	enum	uint16	-	0 - Closed, 1 - Open, 2 - Unallocated
3:00069		Gateway actuator 9 status	0	2	enum	uint16	-	0 - Closed, 1 - Open, 2 - Unallocated
3:00070		Gateway actuator 10 status	0	2	enum	uint16	-	0 - Closed, 1 - Open, 2 - Unallocated
3:00071		Gateway actuator 11 status	0	2	enum	uint16	-	0 - Closed, 1 - Open, 2 - Unallocated
3:00072		Gateway actuator 12 status	0	2	enum	uint16	-	0 - Closed, 1 - Open, 2 - Unallocated
3:00081		Gateway cooling emergency mode	0	1	enum	uint16	-	0 - Normal Mode, 1 - Emergency Mode
3:00101		Zone 1 actual temperature	-1000	1000	deg C	int16	10	
3:00102		Zone 1 actual humidity	0	1000	promille	uint16	(%x10)	
3:00103		Zone 1 actual battery	0	100	percent charge	uint16	1	
3:00104		Zone 1 actual signal strength	-128	127	dBm	int16	1	
3:00105		Zone 1 thermostat address (SN / MAC-adress)	0	0x0 - 0xFF 0xFF 0xFF 0xFF 0xFF 0xFF	6 octets	uint16 x 3	-	6 octet address contained in 3 consecutive registers, octets 0-1, 2-3, 4-5
3:00108		Zone 1 connected actuators	0	0x0FFF	bitfield	uint16	-	Bits 11-0 = Actuators 12-1, 0 - Not connected, 1 - Connected
3:00201		Zone 2 actual temperature	-1000	1000	deg C	int16	10	
3:00202		Zone 2 actual humidity	0	1000	promille	uint16	(%x10)	
3:00203		Zone 2 actual battery	0	100	percent charge	uint16	1	
3:00204		Zone 2 actual signal strength	-128	127	dBm	int16	1	
3:00205		Zone 2 thermostat address (SN / MAC-adress)	0	0x0 - 0xFF 0xFF 0xFF 0xFF 0xFF 0xFF	6 octets	uint16 x 3	-	6 octet address contained in 3 consecutive registers, octets 0-1, 2-3, 4-5
3:00208		Zone 2 connected actuators	0	0x0FFF	bitfield	uint16	-	Bits 11-0 = Actuators 12-1, 0 - Not connected, 1 - Connected
3:00301		Zone 3 actual temperature	-1000	1000	deg C	int16	10	
3:00302		Zone 3 actual humidity	0	1000	promille	uint16	(%x10)	
3:00303		Zone 3 actual battery	0	100	percent charge	uint16	1	
3:00304		Zone 3 actual signal strength	-128	127	dBm	int16	1	
3:00305		Zone 3 thermostat address (SN / MAC-adress)	0	0x0 - 0xFF 0xFF 0xFF 0xFF 0xFF 0xFF	6 octets	uint16 x 3	-	6 octet address contained in 3 consecutive registers, octets 0-1, 2-3, 4-5
3:00308		Zone 3 connected actuators	0	0x0FFF	bitfield	uint16	-	Bits 11-0 = Actuators 12-1, 0 - Not connected, 1 - Connected
3:00401		Zone 4 actual temperature	-1000	1000	deg C	int16	10	
3:00402		Zone 4 actual humidity	0	1000	promille	uint16	(%x10)	
3:00403		Zone 4 actual battery	0	100	percent charge	uint16	1	
3:00404		Zone 4 actual signal strength	-128	127	dBm	int16	1	
3:00405		Zone 4 thermostat address (SN / MAC-adress)	0	0x0 - 0xFF 0xFF 0xFF 0xFF 0xFF 0xFF	6 octets	uint16 x 3	-	6 octet address contained in 3 consecutive registers, octets 0-1, 2-3, 4-5
3:00408		Zone 4 connected actuators	0	0x0FFF	bitfield	uint16	-	Bits 11-0 = Actuators 12-1, 0 - Not connected, 1 - Connected
3:00501		Zone 5 actual temperature	-1000	1000	deg C	int16	10	
3:00502		Zone 5 actual humidity	0	1000	promille	uint16	(%x10)	
3:00503		Zone 5 actual battery	0	100	percent charge	uint16	1	
3:00504		Zone 5 actual signal strength	-128	127	dBm	int16	1	
3:00505		Zone 5 thermostat address (SN / MAC-adress)	0	0x0 - 0xFF 0xFF 0xFF 0xFF 0xFF 0xFF	6 octets	uint16 x 3	-	6 octet address contained in 3 consecutive registers, octets 0-1, 2-3, 4-5
3:00508		Zone 5 connected actuators	0	0x0FFF	bitfield	uint16	-	Bits 11-0 = Actuators 12-1, 0 - Not connected, 1 - Connected
3:00601		Zone 6 actual temperature	-1000	1000	deg C	int16	10	

3:00602	Zone 6 actual humidity	0	1000	promille	uint16	(%x10)	
3:00603	Zone 6 actual battery	0	100	percent charge	uint16	1	
3:00604	Zone 6 actual signal strength	-128	127	dBm	int16	1	
3:00605	Zone 6 thermostat address (SN / MAC-adress)	0	0x0 - 0xFF 0xFF 0xFF 0xFF 0xFF 0xFF	6 octets	uint16 x 3	-	6 octet address contained in 3 consecutive registers, octets 0-1, 2-3, 4-5
3:00608	Zone 6 connected actuators	0	0x0FFF	bitfield	uint16	-	Bits 11-0 = Actuators 12-1, 0 - Not connected, 1 - Connected
3:00701	Zone 7 actual temperature	-1000	1000	deg C	int16	10	
3:00702	Zone 7 actual humidity	0	1000	promille	uint16	(%x10)	
3:00703	Zone 7 actual battery	0	100	percent charge	uint16	1	
3:00704	Zone 7 actual signal strength	-128	127	dBm	int16	1	
3:00705	Zone 7 thermostat address (SN / MAC-adress)	0	0x0 - 0xFF 0xFF 0xFF 0xFF 0xFF 0xFF	6 octets	uint16 x 3	-	6 octet address contained in 3 consecutive registers, octets 0-1, 2-3, 4-5
3:00708	Zone 7 connected actuators	0	0x0FFF	bitfield	uint16	-	Bits 11-0 = Actuators 12-1, 0 - Not connected, 1 - Connected
3:00801	Zone 8 actual temperature	-1000	1000	deg C	int16	10	
3:00802	Zone 8 actual humidity	0	1000	promille	uint16	(%x10)	
3:00803	Zone 8 actual battery	0	100	percent charge	uint16	1	
3:00804	Zone 8 actual signal strength	-128	127	dBm	int16	1	
3:00805	Zone 8 thermostat address (SN / MAC-adress)	0	0x0 - 0xFF 0xFF 0xFF 0xFF 0xFF 0xFF	6 octets	uint16 x 3	-	6 octet address contained in 3 consecutive registers, octets 0-1, 2-3, 4-5
3:00808	Zone 8 connected actuators	0	0x0FFF	bitfield	uint16	-	Bits 11-0 = Actuators 12-1, 0 - Not connected, 1 - Connected
3:00901	Zone 9 actual temperature	-1000	1000	deg C	int16	10	
3:00902	Zone 9 actual humidity	0	1000	promille	uint16	(%x10)	
3:00903	Zone 9 actual battery	0	100	percent charge	uint16	1	
3:00904	Zone 9 actual signal strength	-128	127	dBm	int16	1	
3:00905	Zone 9 thermostat address (SN / MAC-adress)	0	0x0 - 0xFF 0xFF 0xFF 0xFF 0xFF 0xFF	6 octets	uint16 x 3	-	6 octet address contained in 3 consecutive registers, octets 0-1, 2-3, 4-5
3:00908	Zone 9 connected actuators	0	0x0FFF	bitfield	uint16	-	Bits 11-0 = Actuators 12-1, 0 - Not connected, 1 - Connected
3:01001	Zone 10 actual temperature	-1000	1000	deg C	int16	10	
3:01002	Zone 10 actual humidity	0	1000	promille	uint16	(%x10)	
3:01003	Zone 10 actual battery	0	100	percent charge	uint16	1	
3:01004	Zone 10 actual signal strength	-128	127	dBm	int16	1	
3:01005	Zone 10 thermostat address (SN / MAC-adress)	0	0x0 - 0xFF 0xFF 0xFF 0xFF 0xFF 0xFF	6 octets	uint16 x 3	-	6 octet address contained in 3 consecutive registers, octets 0-1, 2-3, 4-5
3:01008	Zone 10 connected actuators	0	0x0FFF	bitfield	uint16	-	Bits 11-0 = Actuators 12-1, 0 - Not connected, 1 - Connected
3:01101	Zone 11 actual temperature	-1000	1000	deg C	int16	10	
3:01102	Zone 11 actual humidity	0	1000	promille	uint16	(%x10)	
3:01103	Zone 11 actual battery	0	100	percent charge	uint16	1	
3:01104	Zone 11 actual signal strength	-128	127	dBm	int16	1	
3:01105	Zone 11 thermostat address (SN / MAC-adress)	0	0x0 - 0xFF 0xFF 0xFF 0xFF 0xFF 0xFF	6 octets	uint16 x 3	-	6 octet address contained in 3 consecutive registers, octets 0-1, 2-3, 4-5
3:01108	Zone 11 connected actuators	0	0x0FFF	bitfield	uint16	-	Bits 11-0 = Actuators 12-1, 0 - Not connected, 1 - Connected
3:01201	Zone 12 actual temperature	-1000	1000	deg C	int16	10	
3:01202	Zone 12 actual humidity	0	1000	promille	uint16	(%x10)	
3:01203	Zone 12 actual battery	0	100	percent charge	uint16	1	
3:01204	Zone 12 actual signal strength	-128	127	dBm	int16	1	
3:01205	Zone 12 thermostat address (SN / MAC-adress)	0	0x0 - 0xFF 0xFF 0xFF 0xFF 0xFF 0xFF	6 octets	uint16 x 3	-	6 octet address contained in 3 consecutive registers, octets 0-1, 2-3, 4-5
3:01208	Zone 12 connected actuators	0	0x0FFF	bitfield	uint16	-	Bits 11-0 = Actuators 12-1, 0 - Not connected, 1 - Connected

Holding Registers

Modbus	Range	Register	Min	Max	Unit	Type	Factor	Notes
4:00001		Gateway operating mode	0	2	enum	uint16	-	0 - Undefined, 1 - Heating, 2 - Cooling
4:00051		Gateway temperature alarm high level	-1000	1000	deg C	int16	10	
4:00052		Gateway temperature alarm low level	-1000	1000	deg C	int16	10	
4:00053		Gateway humidity alarm high level	0	1000	promille	uint16	(% x 10)	
4:00054		Gateway humidity alarm low level	0	1000	promille	uint16	(% x 10)	
4:00055		Gateway battery alarm low level	0	100	percent charge	uint16	1	
4:00056		Gateway battery alarm critical level	0	100	percent charge	uint16	1	
4:00057		Gateway cooling emergency number zones	0	12	quantity	uint16	1	
4:00058		Gateway cooling mode humidity limit	0	1000	promille	uint16	(% x 10)	
4:00059		Gateway LEDs enable	0	1	enum	uint16	-	0 - Disable, 1 - Enable
4:00101		Zone 1 target temperature	-1000	1000	deg C	int16	10	
4:00102		Zone 1 override	0	1	-	uint16	-	0 -Inactive, 1 - Active
4:00103		Zone 1 override level	0	255	level	uint16	1	Actuator setting in override where 0-255 == 0%-100%
4:00201		Zone 2 target temperature	-1000	1000	deg C	int16	10	
4:00202		Zone 2 override	0	1	-	uint16	-	0 -Inactive, 1 - Active
4:00203		Zone 2 override level	0	255	level	uint16	1	Actuator setting in override where 0-255 == 0%-100%
4:00301		Zone 3 target temperature	-1000	1000	deg C	int16	10	
4:00302		Zone 3 override	0	1	-	uint16	-	0 -Inactive, 1 - Active
4:00303		Zone 3 override level	0	255	level	uint16	1	Actuator setting in override where 0-255 == 0%-100%
4:00401		Zone 4 target temperature	-1000	1000	deg C	int16	10	
4:00402		Zone 4 override	0	1	-	uint16	-	0 -Inactive, 1 - Active
4:00403		Zone 4 override level	0	255	level	uint16	1	Actuator setting in override where 0-255 == 0%-100%
4:00501		Zone 5 target temperature	-1000	1000	deg C	int16	10	
4:00502		Zone 5 override	0	1	-	uint16	-	0 -Inactive, 1 - Active
4:00503		Zone 5 override level	0	255	level	uint16	1	Actuator setting in override where 0-255 == 0%-100%
4:00601		Zone 6 target temperature	-1000	1000	deg C	int16	10	
4:00602		Zone 6 override	0	1	-	uint16	-	0 -Inactive, 1 - Active
4:00603		Zone 6 override level	0	255	level	uint16	1	Actuator setting in override where 0-255 == 0%-100%
4:00701		Zone 7 target temperature	-1000	1000	deg C	int16	10	
4:00702		Zone 7 override	0	1	-	uint16	-	0 -Inactive, 1 - Active
4:00703		Zone 7 override level	0	255	level	uint16	1	Actuator setting in override where 0-255 == 0%-100%
4:00801		Zone 8 target temperature	-1000	1000	deg C	int16	10	
4:00802		Zone 8 override	0	1	-	uint16	-	0 -Inactive, 1 - Active
4:00803		Zone 8 override level	0	255	level	uint16	1	Actuator setting in override where 0-255 == 0%-100%
4:00901		Zone 9 target temperature	-1000	1000	deg C	int16	10	
4:00902		Zone 9 override	0	1	-	uint16	-	0 -Inactive, 1 - Active
4:00903		Zone 9 override level	0	255	level	uint16	1	Actuator setting in override where 0-255 == 0%-100%



4:01001		Zone 10 target temperature	-1000	1000	deg C	int16	10	
4:01002		Zone 10 override	0	1	-	uint16	-	0 -Inactive, 1 - Active
4:01003		Zone 10 override level	0	255	level	uint16	1	Actuator setting in override where 0-255 == 0%-100%
4:01101		Zone 11 target temperature	-1000	1000	deg C	int16	10	
4:01102		Zone 11 override	0	1	-	uint16	-	0 -Inactive, 1 - Active
4:01103		Zone 11 override level	0	255	level	uint16	1	Actuator setting in override where 0-255 == 0%-100%
4:01201		Zone 12 target temperature	-1000	1000	deg C	int16	10	
4:01202		Zone 12 override	0	1	-	uint16	-	0 -Inactive, 1 - Active
4:01203		Zone 12 override level	0	255	level	uint16	1	Actuator setting in override where 0-255 == 0%-100%

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