

Sample SNMP commands

SNMP Get Request

Get Cooling Setpoint

MIB Object ID - (1.3.6.1.4.1.26609.2.1.1.2)

Community string - private

0	0x30	SNMP start sequence	
1	0x2C	SNMP sequence len	
2	0x02	Integer type	SNMP version
3	0x01	Length	
4	0x00	SNMP version	
5	0x04	String type	
6	0x07	Length	
7	0x70	p	
8	0x72	r	
9	0x69	i	
10	0x76	v	
11	0x61	a	
12	0x74	t	
13	0x65	e	
14	0xA0	SNMP Get request	SNMP Command
15	0x1E	Len of Get data	
16	0x02	Integer type	Request ID
17	0x01	Len	
18	0x0B	Request ID	
19	0x02	Integer type	Error Status
20	0x01	Len	
21	0x00	Error status	
22	0x02	Integer type	Error Index
23	0x01	Len	
24	0x00	Error index	
25	0x30	Variable Binding start sequence	
26	0x13	VB sequence Len	
27	0x30	First VB sequence start	
28	0x11	First VB sequence Len	
29	0x06	Object type	MIB Object ID
30	0x0D	Len	
31	0x2B	Start of OID (replace 1.3)	
32	0x06	6	
33	0x01	1	
34	0x04	4	
35	0x01	1	
36	0x81	26609	
37	0xCF		

38	0x71		
39	0x02	2	
40	0x01	1	
41	0x01	1	
42	0x02	2	
43	0x00	0	
44	0x05	Null type	Value
45	0x00	Len	

SNMP Get Response

Cooling Setpoint Response

MIB Object ID - (1.3.6.1.4.1.26609.2.1.1.2)

Community string - private

Value received - 774 (77.4)

0	0x30	SNMP start sequence	
1	0x2E	SNMP sequence len	
2	0x02	Integer type	SNMP version
3	0x01	Length	
4	0x00	SNMP version	
5	0x04	String type	Community string
6	0x07	Length	
7	0x70	p	
8	0x72	r	
9	0x69	i	
10	0x76	v	
11	0x61	a	
12	0x74	t	
13	0x65	e	
14	0xA2	SNMP response	SNMP Command
15	0x20	Len of Get data	
16	0x02	Integer type	Request ID
17	0x01	Len	
18	0x0B	Request ID	
19	0x02	Integer type	Error Status
20	0x01	Len	
21	0x00	Error status	
22	0x02	Integer type	Error Index
23	0x01	Len	
24	0x00	Error index	
25	0x30	Variable Binding start sequence	
26	0x15	VB sequence Len	
27	0x30	First VB sequence start	
28	0x13	First VB sequence Len	
29	0x06	Object type	MIB Object ID
30	0x0D	Len	

31	0x2B	Start of OID (replace 1.3)	
32	0x06	6	
33	0x01	1	
34	0x04	4	
35	0x01	1	
36	0x81	26609	
37	0xCF		
38	0x71		
39	0x02	2	
40	0x01	1	
41	0x01	1	
42	0x02	2	
43	0x00	0	
44	0x02	Integer type	Value (77.4)
45	0x02	Len	
46	0x03	774	
47	0x06		

SNMP Set Request

Set Cooling Setpoint to 80.0F

MIB Object ID - (1.3.6.1.4.1.26609.2.1.1.2)

Community string - private

Value received - 800 (80.0)

0	0x30	SNMP start sequence	
1	0x2E	SNMP sequence len	
2	0x02	Integer type	SNMP version
3	0x01	Length	
4	0x00	SNMP version	
5	0x04	String type	Community string
6	0x07	Length	
7	0x70	p	
8	0x72	r	
9	0x69	i	
10	0x76	v	
11	0x61	a	
12	0x74	t	
13	0x65	e	
14	0xA3	SNMP Set Request	SNMP Command
15	0x20	Len of Get data	
16	0x02	Integer type	Request ID
17	0x01	Len	
18	0x0B	Request ID	
19	0x02	Integer type	Error Status
20	0x01	Len	

21	0x00	Error status		
22	0x02	Integer type	Error Index	
23	0x01	Len		
24	0x00	Error index		
25	0x30	Variable Binding start sequence		
26	0x15	VB sequence Len		
27	0x30	First VB sequence start		
28	0x13	First VB sequence Len		
29	0x06	Object type	MIB Object ID	
30	0x0D	Len		
31	0x2B	Start of OID (replace 1.3)		
32	0x06	6		
33	0x01	1		
34	0x04	4		
35	0x01	1		
36	0x81	26609		
37	0xCF			
38	0x71			
39	0x02	2		
40	0x01	1		
41	0x01	1		
42	0x02	2		
43	0x00	0		
44	0x02	Integer type		Value (80.0)
45	0x02	Len		
46	0x03	800		
47	0x20			

Set Cooling Setpoint to 55.0F

MIB Object ID - (1.3.6.1.4.1.26609.2.1.1.2)

Community string - private

Bytes 0 - 38 are the same as in Set Cooling Setpoint to 80.0F

39	0x02	2	
40	0x01	1	
41	0x01	1	
42	0x02	2	
43	0x00	0	
44	0x02	Integer type	Value (55.0)
45	0x02	Len	
46	0x02	550	
47	0x26		

Set Cooling Setpoint to 110.0F

MIB Object ID - (1.3.6.1.4.1.26609.2.1.1.2)

Community string - private

Bytes 0 - 38 are the same as in Set Cooling Setpoint to 80.0F

39	0x02	2	
40	0x01	1	
41	0x01	1	
42	0x02	2	
43	0x00	0	
44	0x02	Integer type	Value (110.0)
45	0x02	Len	
46	0x04	1100	
47	0x4C		

Set Cooling Setpoint Min to 72.0F

MIB Object ID - (1.3.6.1.4.1.26609.2.1.2.2)

Community string - private

Bytes 0 - 38 are the same as in Set Cooling Setpoint to 80.0F

Parameter is write protected. See note below.

39	0x02	2	
40	0x01	1	
41	0x02	2	
42	0x02	2	
43	0x00	0	
44	0x02	Integer type	Value (72.0)
45	0x02	Len	
46	0x02	720	
47	0xD0		

Set Cooling Setpoint Max to 120.0F

MIB Object ID - (1.3.6.1.4.1.26609.2.1.3.2)

Community string - private

Bytes 0 - 38 are the same as in Set Cooling Setpoint to 80.0F

Parameter is write protected. See note below.

39	0x02	2	
40	0x01	1	
41	0x03	3	
42	0x02	2	
43	0x00	0	
44	0x02	Integer type	Value (120.0)
45	0x02	Len	
46	0x04	1200	

47	0xB0	
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Set Cooling Differential to 7.0F

MIB Object ID - (1.3.6.1.4.1.26609.2.1.4.2)

Community string - private

Bytes 0 - 38 are the same as in Set Cooling Setpoint to 80.0F

Except Bytes 1=0x2D, 15=0x1F, 26=0x14, 28=0x12

39	0x02	2	
40	0x01	1	
41	0x04	4	
42	0x02	2	
43	0x00	0	
44	0x02	Integer type	Value (7.0)
45	0x01	Len	
46	0x46	70	

Set Heating Setpoint to 100.0F

MIB Object ID - (1.3.6.1.4.1.26609.2.1.5.2)

Community string - private

Bytes 0 - 38 are the same as in Set Cooling Setpoint to 80.0F

39	0x02	2	
40	0x01	1	
41	0x05	5	
42	0x02	2	
43	0x00	0	
44	0x02	Integer type	Value (100.0)
45	0x02	Len	
46	0x03	1000	
47	0xE8		

Set Heating Setpoint to 40.0F

MIB Object ID - (1.3.6.1.4.1.26609.2.1.5.2)

Community string - private

Bytes 0 - 38 are the same as in Set Cooling Setpoint to 80.0F

39	0x02	2	
40	0x01	1	
41	0x05	5	
42	0x02	2	
43	0x00	0	

44	0x02	Integer type	Value (40.0)
45	0x02	Len	
46	0x01	400	
47	0x90		

Set Heating Setpoint to 50.0F

MIB Object ID - (1.3.6.1.4.1.26609.2.1.5.2)

Community string - private

Bytes 0 - 38 are the same as in Set Cooling Setpoint to 80.0F

39	0x02	2	Value (50.0)
40	0x01	1	
41	0x05	5	
42	0x02	2	
43	0x00	0	
44	0x02	Integer type	
45	0x02	Len	
46	0x01	500	
47	0xF4		

Set Heating Setpoint Min to 32.0F

MIB Object ID - (1.3.6.1.4.1.26609.2.1.6.2)

Community string - private

Bytes 0 - 38 are the same as in Set Cooling Setpoint to 80.0F

Parameter is write protected. See note below.

39	0x02	2	Value (32.0)
40	0x01	1	
41	0x06	6	
42	0x02	2	
43	0x00	0	
44	0x02	Integer type	
45	0x02	Len	
46	0x01	320	
47	0x40		

Set Heating Setpoint Max to 60.0F

MIB Object ID - (1.3.6.1.4.1.26609.2.1.7.2)

Community string - private

Bytes 0 - 38 are the same as in Set Cooling Setpoint to 80.0F

Parameter is write protected. See note below.

39	0x02	2
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40	0x01	1	
41	0x07	7	
42	0x02	2	
43	0x00	0	
44	0x02	Integer type	Value (60.0)
45	0x02	Len	
46	0x02	600	
47	0x58		

Set Heating Differential to 7.0F

MIB Object ID - (1.3.6.1.4.1.26609.2.1.8.2)

Community string - private

Bytes 0 - 38 are the same as in Set Cooling Setpoint to 80.0F

Except Bytes 1=0x2D, 15=0x1F, 26=0x14, 28=0x12

39	0x02	2	
40	0x01	1	
41	0x08	8	
42	0x02	2	
43	0x00	0	
44	0x02	Integer type	Value (7.0)
45	0x01	Len	
46	0x46	70	

Set High Temp Alarm to 125.0F

MIB Object ID - (1.3.6.1.4.1.26609.2.1.10)

Community string - private

Bytes 0 - 38 are the same as in Set Cooling Setpoint to 80.0F

Except Bytes 1=0x2D, 15=0x1F, 26=0x14, 28=0x12, 30=0x0C

39	0x02	2	
40	0x01	1	
41	0x0A	10	
42	0x00	0	
43	0x02	Integer type	Value (125.0)
44	0x02	Len	
45	0x04	1250	
46	0xE2		

Set Low Temp Alarm to 40.0F

MIB Object ID - (1.3.6.1.4.1.26609.2.1.11)

Community string - private

Bytes 0 - 38 are the same as in Set Cooling Setpoint to 80.0F

Except Bytes 1=0x2D, 15=0x1F, 26=0x14, 28=0x12, 30=0x0C

39	0x02	2	
40	0x01	1	
41	0x0B	11	
42	0x00	0	
43	0x02	Integer type	Value (40.0)
44	0x02	Len	
45	0x01	400	
46	0x90		

Set IP Address to 192.168.1.2

MIB Object ID - (1.3.6.1.4.1.26609.2.20.1)

Community string - private

Bytes 0 - 38 are the same as in Set Cooling Setpoint to 80.0F

Except Bytes 1=0x2F, 15=0x21, 26=0x16, 28=0x14, 30=0x0C

39	0x02	2	
40	0x14	20	
41	0x01	1	
42	0x00	0	
43	0x40	IP Address type	Address (192.168.1.2)
44	0x04	Len	
45	0xC0	192	
46	0xA8	168	
47	0x01	1	
48	0x02	2	

Set Gateway IP Address to 192.168.1.1

MIB Object ID - (1.3.6.1.4.1.26609.2.20.2)

Community string - private

Bytes 0 - 38 are the same as in Set IP Address to 192.168.1.2

39	0x02	2	
40	0x14	20	
41	0x02	2	
42	0x00	0	
43	0x40	IP Address type	Address (192.168.1.1)
44	0x04	Len	
45	0xC0	192	
46	0xA8	168	

47	0x01	1
48	0x01	1

Set Subnet Mask to 255.255.255.0

MIB Object ID - (1.3.6.1.4.1.26609.2.20.3)

Community string - private

Bytes 0 - 38 are the same as in Set IP Address to 192.168.1.2

39	0x02	2	
40	0x14	20	
41	0x03	3	
42	0x00	0	
43	0x40	IP Address type	Address (255.255.255.0)
44	0x04	Len	
45	0xFF	255	
46	0xFF	255	
47	0xFF	255	
48	0x00	0	

Set Trap IP Address to 192.168.1.254

MIB Object ID - (1.3.6.1.4.1.26609.2.20.4)

Community string - private

Bytes 0 - 38 are the same as in Set IP Address to 192.168.1.2

39	0x02	2	
40	0x14	20	
41	0x04	4	
42	0x00	0	
43	0x40	IP Address type	Address (192.168.1.254)
44	0x04	Len	
45	0xC0	192	
46	0xA8	168	
47	0x01	1	
48	0xFE	254	

Set Unit ID to unit1

MIB Object ID - (1.3.6.1.4.1.26609.2.21.1)

Community string - private

Bytes 0 - 38 are the same as in Set Cooling Setpoint to 80.0F

Except Bytes 1=0x30, 15=0x22, 26=0x17, 28=0x15, 30=0x0C

39	0x02	2
40	0x15	21

41	0x01	1	"unit1"
42	0x00	0	
43	0x04	String type	
44	0x05	Len	
45	0x75	'u'	
46	0x6E	'n'	
47	0x69	'i'	
48	0x74	't'	
49	0x31	'1'	

Set Community to private

MIB Object ID - (1.3.6.1.4.1.26609.2.20.6)

Community string - private

Bytes 0 - 38 are the same as in Set Cooling Setpoint to 80.0F

Except Bytes 1=0x32, 15=0x24, 26=0x19, 28=0x17, 30=0x0C

39	0x02	2	"private"
40	0x14	20	
41	0x06	6	
42	0x00	0	
43	0x04	String type	
44	0x05	Len	
45	0x70	'p'	
46	0x72	'r'	
47	0x69	'i'	
48	0x76	'v'	
49	0x61	'a'	
50	0x74	't'	
51	0x65	'e'	

Set DHCP Server to false (2)

MIB Object ID - (1.3.6.1.4.1.26609.2.20.5)

Community string - private

Bytes 0 - 38 are the same as in Set Cooling Setpoint to 80.0F

Except Bytes 1=0x2C, 15=0x1E, 26=0x13, 28=0x11, 30=0x0C

39	0x02	2	Value (False)
40	0x14	20	
41	0x05	5	
42	0x00	0	
43	0x02	Integer type	
44	0x01	Len	
45	0x02	2	

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SNMP Set Response

Community string - private

0	0x30	SNMP start sequence	
1	0x19	SNMP sequence len	
2	0x02	Integer type	SNMP version
3	0x01	Length	
4	0x00	SNMP version	
5	0x04	String type	Community string
6	0x07	Length	
7	0x70	p	
8	0x72	r	
9	0x69	i	
10	0x76	v	
11	0x61	a	
12	0x74	t	
13	0x65	e	
14	0xA2	SNMP Response	SNMP Command
15	0x0B	Len of Get data	
16	0x02	Integer type	Request ID
17	0x01	Len	
18	0x0B	Request ID	
19	0x02	Integer type	Error Status
20	0x01	Len	
21	0x00	Error status	
22	0x02	Integer type	Error Index
23	0x01	Len	
24	0x00	Error index	
25	0x30	Variable Binding start sequence	
26	0x00	VB sequence Len	

Get DHCP Server

MIB Object ID - (1.3.6.1.4.1.26609.2.20.5)

Community string - private

Bytes 0 - 38 are the same as in Get Cooling Setpoint

Except Bytes 1=0x2B, 15=0x1D, 26=0x12, 28=0x10, 30=0x0C

Reset 1min write protection timer, if timer has not expired

39	0x02	2
40	0x14	20
41	0x05	5
42	0x00	0

43	0x05	Null type	Value
44	0x00	Len	

Note:

- For write protected parameters, write protection is disabled within the first min of power up. To reset the 1min timer, send command Get DHCP Server before timer expires.