

MIGA/C/AC ID=23421308 BACnet AC

OBJECT LIST FOR 23421308(ID = MIGAC-XX-XXX-XX-XX)

BACnet ** MSTP

BACnet MSTP/485 (rev.19) FW 18417722 BTL certified

Baud rate: 9600, 19200, **38400 (default)**, 76800 no parity, 8 data bits, 1 stop bit

N°	Object	Object Name	Value	Default	Access
1	Analog Input #0	T1_Sensor	0...40°C (32...104°F)	-	R/W
2	Analog Input #1	T2_Sensor	-20...100°C (-4...212°F)	-	R/W
3	Analog Input #2	T3_Sensor	-20...100°C (-4...212°F)	-	R/W
4	Analog Output #0	AO_Cool (cool/heat valve)	0...100%	-	R/W
5	Analog Output #1	AO_Heat	0...100%	-	R/W
6	Analog Output #2	AO_Fan	0...100%	-	R/W
7	Analog Value #0	SetPoint_SetPointCool	5...35°C (41...95°F)	23°C (73°F)	R/W
8	Analog Value #1	SetPointHeat	5...35°C (41...95°F)	23°C (73°F)	R/W
9	Analog Value #2	SetPointEffective	5...35°C (41...95°F)	-	R
10	Analog Value #3	ReturnAirSensorEffective	0...100°C (32...212°F)	-	R
11	Analog Value #4	Mode	0-Fan only, 1-Cool, 2-Heat, 3-Auto, 6 -emergency mode from IRP.	1-Cool	R/W
12	Analog Value #5	ModeEffective	0-Fan only, 1-Cool, 2-Heat, 3- Auto, 4-Off	-	R
13	Analog Value #6	FanSpeed	0-Auto, 1-Low, 2-Medium, 3-High	0-Auto	R/W
14	Analog Value #7	FanEffective	0-Auto, 1-Low, 2-Medium, 3-High, 4-Off	-	R
15	Analog Value #8	ReturnAirSensorCalibration	-5...5°C (-9...9°F)	0°C (0°F)	R/W
16	Analog Value #9	SetPointLimitCool	5...35°C (41...95°F)	10°C (50°F)	R/W
17	Analog Value #10	SetPointLimitHeat	5...35°C (41...95°F)	30°C (86°F)	R/W
18	Analog Value #11	EconomySetPointInCool	5...35°C (41...95°F)	30°C (86°F)	R/W
19	Analog Value #12	EconomySetPointInHeat	5...35°C (41...95°F)	10°C (50°F)	R/W
20	Analog Value #13	OccupancyEffectiveHVAC	0 - Occupied 2 -Unoccupied (Occ. Sensor Function=1) 3 -Unoccupied (Occ. Sensor Function=2) 4 - Unoccupied (Occ. Sensor Function=3)	-	R
21	Analog Value #14	OccupancySensorFunction	0-Not used, 1-On/Off, 2-Start/Stop, 3-Economy	0-Not used	R/W
22	Analog Value #15	OccupancySensorHVACDelayTime	0...900 min	20 min	R/W
23	Analog Value #16	TimeSwitchingToOccupiedMode	0...999 sec	2 sec	R/W
24	Analog Value #17	T2_Effective	-9.9...99°C (-9.9...210°F)	-	R
25	Analog Value #18	T3_Effective	-9.9...99°C (-9.9...210°F)	-	R
26	Analog Value #22	HeatFanOffDelay	0...120 sec	30 sec	R/W
27	Analog Value #23	FreezeProtectionCutInSetpoint	0...10°C (32...50°F)	5°C (41°F)	R/W
28	Analog Value #24	FreezeProtectionCutOutSetpoint	2...12°C (36...54°F)	7°C (45°F)	R/W
29	Analog Value #25	FilterCounter	0...999 hour	-	R
30	Analog Value #26	FilterAlarmTimeDelay	0...999 hour	0 hour	R/W
31	Analog Value #27	CoolDifferentialBand	0.5...5°C (1...9°F)	1°C (2°F)	R/W
32	Analog Value #28	CoolDifferentialBandOffset	-5...5°C (-9...9°F)	0°C (0°F)	R/W

N°	Object	Object Name	Value	Default	Access
33	Analog Value #29	HeatDifferentialBand	0.5...20°C (1...36°F)	1°C (2°F)	R/W
34	Analog Value #30	HeatDifferentialBandOffset	-5...5°C (-9...9°F)	0°C (0°F)	R/W
35	Analog Value #31	ShiftBetweenCoolAndHeat	0...10°C (0...18°F)	2°C (4°F)	R/W
36	Analog Value #32	ShiftBetweenCoolStages	0...10°C (0...18°F)	2°C (4°F)	R/W
37	Analog Value #33	ShiftBetweenHeatStages	0...49°C (0...88°F)	2°C (4°F)	R/W
38	Analog Value #35	TimeDelayOnNextCoolStage	0...600 sec	5 sec	R/W
39	Analog Value #36	TimeDelayOnNextHeatStage	0...600 sec	5 sec	R/W
40	Analog Value #37	TimeDelayOffNextCoolStage	0...600 sec	1 sec	R/W
41	Analog Value #38	TimeDelayOffNextHeatStage	0...600 sec	1 sec	R/W
42	Analog Value #39	CompressorStandbyDelay	0...360 sec	240 sec	R/W
43	Analog Value #40	DeiceCoolCutInTemperature	-9.5...8°C (15...46°F)	0°C (32°F)	R/W
44	Analog Value #41	DeiceCoolCutOutTemperature	2...20°C (36...68°F)	8°C (46°F)	R/W
45	Analog Value #42	DeiceHeatTime	120...420 sec	300 sec	R/W
46	Analog Value #43	DeiceHeatBreakTime	600...1800 sec	1500 sec	R/W
47	Analog Value #44	DeiceHeatCutInTemperature	-9.5...8°C (15...46°F)	0°C (32°F)	R/W
48	Analog Value #45	DeiceHeatCutOutTemperature	2...20°C (35...68°F)	16°C (61°F)	R/W
49	Analog Value #48	DifferentialOnOffFanSpeeds	0.3...2°C (0.6...4°F)	0.7°C (1.4°F)	R/W
50	Analog Value #66	CoolVFSProportionalBand	1...10°C (2...18°F)	2°C (4°F)	R/W
51	Analog Value #67	HeatVFSProportionalBand	1...10°C (2...18°F)	2°C (4°F)	R/W
52	Analog Value #68	CoolVFSLowSpeedPercent	0...30%	20%	R/W
53	Analog Value #69	CoolVFSMediumSpeedPercent	30...60%	50%	R/W
54	Analog Value #70	CoolVFShighSpeedPercent	60...100%	90%	R/W
55	Analog Value #71	HeatVFSLowSpeedPercent	0...30%	30%	R/W
56	Analog Value #72	HeatVFSMediumSpeedPercent	30...60%	50%	R/W
57	Analog Value #73	HeatVFShighSpeedPercent	60...100%	80%	R/W
58	Analog Value #75	VFSMediumSpeedDiff	10...50%	35%	R/W
59	Analog Value #76	VFSHighSpeedDiff	10...50%	35%	R/W
60	Analog Value #77	CoolVFSLowLimit	0...100%	0%	R/W
61	Analog Value #78	CoolVFShighLimit	0...100%	100%	R/W
62	Analog Value #79	HeatVFSLowLimit	0...100%	0%	R/W
63	Analog Value #80	HeatVFShighLimit	0...100%	100%	R/W
64	Analog Value #113	ModbusBaudRate	0...4 (not in use)	-	RW
65	Analog Value #133	DipSwitchesState	0...65535	-	R
66	Analog Value #160	AlarmsFaults	0...65535 Bit0 - Alarm_FreezeProtection; Bit1 - Alarm_DeiceInCool; Bit2 - Alarm_DeiceInHeat; Bit3 - Alarm_OverHeatInCool; Bit4 - Alarm_OverHeatInHeat; Bit5 - AlarmT1; Bit6 - AlarmT2; Bit7 - AlarmT3; Bit8- Not in use; Bit9- Not in use; Bit10- AlarmByDI1_input; Bit11- FaultByDI2_input; Bit12- Not in use; Bit13- Alarm_FanOffBySoftStart; Bit14- Alarm_CoolValveInterlock; Bit15- Not in use.	-	R

N°	Object	Object Name	Value	Default	Access
67	Binary Input #0	DI_1	1-Close, 0-Open (if polarity=0)	-	R
68	Binary Input #1	DI2_OccupancySensor	If polarity=1: 1-Open (Occupied), 0-Close (Unoccupied).	-	R
69	Binary Input #2	DI_3	1-Close, 0-Open (if polarity=0)	-	R
70	Binary Input #3	DI_4	1-Close, 0-Open (if polarity=0)	-	R
71	Binary Output #0	HeatElement1	1-On, 0-Off	-	R/W
72	Binary Output #1	HeatElement2	1-On, 0-Off	-	R/W
73	Binary Output #3	Compressor1	1-On, 0-Off	-	R/W
74	Binary Output #4	Compressor2	1-On, 0-Off	-	R/W
75	Binary Output #5	FanOnOffLow	1-On, 0-Off	-	R/W
76	Binary Output #6	FanOnOffMedium	1-On, 0-Off	-	R/W
77	Binary Output #7	FanOnOffHigh	1-On, 0-Off	-	R/W
78	Binary Output #8	HPOnOff	1-On, 0-Off	-	R/W
79	Binary Output #10	FanIndication	1-On, 0-Off	-	R/W
80	Binary Value #0	OnOff	1-On, 0-Off	0-Off	R/W
81	Binary Value #1	AutoFanInCool	1-Enable, 0-Disable	0-Disable	R/W
82	Binary Value #2	C_F_Scale	1-Celsius, 0-Fahrenheit	1-Celsius	R/W
83	Binary Value #3	LockFan	1-Lock, 0-Unlock	0- Unlock	R/W
84	Binary Value #4	LockMode	1-Lock, 0-Unlock	0- Unlock	R/W
85	Binary Value #5	LockOnOff	1-Lock, 0-Unlock	0- Unlock	R/W
86	Binary Value #6	LockSetpoint	1-Lock, 0-Unlock	0- Unlock	R/W
87	Binary Value #7	One_TwoSetpoints	0-one setpoint, 1-two setpoints	0-one setpoint	R/W
88	Binary Value #8	FilterAlarm	1-Alarm, 0-No Alarm	0- No Alarm	R
89	Binary Value #9	FilterReset	1-Reset, 0-Off	0-Off	R/W
90	Binary Value #10	AutoModeEnable	1-Enable, 0-Disable	1-Enable	R/W
91	Binary Value #11	FreezeProtectionEnable	1-Enable, 0-Disable	1-Enable	R/W
92	Binary Value #13	RestoreDefault	1-Restore, 0-Off	0-Off	R/W
93	Binary Value #16	UnoccupiedByNetwork	1-Unoccupied, 0-Off	0-Off	R/W
94	Binary Value #35	TemperatureOverrideEnable	1-Enable, 0-Disable	0-Disable	R/W
95	Binary Value #38	AutoFanInHeat	1-On, 0-Off	1-On	R/W
96	Binary Value #39	DI1_Polarity	1-Norm. close, 0-Norm. open	0-Norm. open	R/W
97	Binary Value #40	DI2_Polarity	1-Norm. open, 0-Norm. close	1-Norm. open	R/W
98	Binary Value #41	DI3_Polarity	1-Norm. close, 0-Norm. open	0-Norm. open	R/W
99	Binary Value #42	DI4_Polarity	1-Norm. close, 0-Norm. open	0-Norm. open	R/W
100	Binary Value #43	Reserve	0	0	R
101	Binary Value #47	DisableOccupancySensor	0- Enable Occ. Sensor, 1- Disable Occ. sensor	0	R/W
102	Binary Value #54	DisablePolling	0- Enable Polling after the break of power; 1- Disable Polling after the break of power	0	R/W

MIGA/C/AC ID =23421308 Modbus AC

OBJECT LIST FOR 23421308 (ID = MIGAC-XX-XXX-XX-XX)

MODBUS RTU Mode, Baud rate: 9600, 19200, 38400, 76800, 115200 no parity, 8 data bits, 1 stop bit

AC configuration (SW3.7 = OFF, SW2.4=OFF).

Supported Commands: 0x03 = Read Holding Registers (for all). 0x06 = Preset Single Register (For R/W registers only).

Command 0x2B will be used to identify the cassette controller as follows.

Request:

Function 0x2B (Encapsulated Interface Transport)

MEI Type 0x0E (Read Device Identification)

Read Dev ID code 0x03 (request to get the Extended Device Identification)

Object ID (0x80...0xFF) The range [0x80 – 0xFF] is Product dependent.

0x80: 0x01 (cassette ID=0x01)

0x81: 0x01 (version = 0x01)

0x82: 0x4C (release = 01 – for example, last release on)

...

0xFF

Function 0x2B (Encapsulated Interface Transport)

MEI Type 0x0E (Read Device Identification)

Read Dev ID code 0x01 (request to get the Basic Device Identification)

Note 1. The MODBUS Register No. X is addressed in the MODBUS Register Address (PDU) X-1.

All Registers are signed Integer 16 bit.

ObjectID	Object Name / Description	Type	M/O	Category
0x00	VendorName	ASCII String	Mandatory	Basic
0x01	ProductCode	ASCII String	Mandatory	Basic
0x03	MajorMinorRevision	ASCII String	Mandatory	Basic

VendorName = V 23421308.5563

ProductCode = MIGAC-XX-XXX-XX-XX

MajorMinorRevision = 23421308

Function 0x2B (Encapsulated Interface Transport)

MEI Type 0x0E (Read Device Identification)

Read Dev ID code 0x02 (request to get the Regular Device Identification)

If VFV column has marker *****: - if ViewFloatValue = 0 – Modbus represents integer value for this register ,

If ViewFloatValue = 1 - float value with one decimal place for this register, multiplied by 10 (for the writable step of change is 0.5). Example: “256” is a representation of “25.6”

With Shift = 0 (For technician stuff and commissioning)

Register number (Reg) = Address + 1

N°	Address Dec [Hex]	Object Name	Value	Default	Access	
1	0 [0x00]	T1_Sensor	0...40°C (32...104°F)	-	R/W	✳
2	1 [0x01]	T2_Sensor	-20...100°C (-4...212°F)	-	R/W	✳
3	2 [0x02]	T3_Sensor	-20...100°C (-4...212°F)	-	R/W	✳
4	3 [0x03]	AO_Cool(cool/heat valve)	0...100%	-	R/W	
5	4 [0x04]	AO_Heat	0...100%	-	R/W	
6	5 [0x05]	AO_Fan	0...100%	-	R/W	
7	6 [0x06]	SetPoint_SetPointCool	5...35°C (41...95°F)	23°C (73°F)	R/W	✳
8	7 [0x07]	SetPointHeat	5...35°C (41...95°F)	23°C (73°F)	R/W	✳
9	8 [0x08]	SetPointEffective	5...35°C (41...95°F)	-	R	✳
10	9 [0x09]	ReturnAirSensorEffective	0...100°C (32...212°F)	-	R	✳
11	10 [0x0A]	Mode	0-Fan only, 1-Cool, 2-Heat, 3-Auto, 6-emergency mode from IRP	1-Cool	R/W	
12	11 [0x0B]	ModeEffective	0-Fan only, 1-Cool, 2-Heat, 3-Auto, 4-Off	-	R	
13	12 [0x0C]	FanSpeed	0-Auto, 1-Low, 2-Medium, 3-High	0-Auto	R/W	
14	13 [0x0D]	FanEffective	0-Auto, 1-Low, 2-Medium, 3-High, 4-Off	-	R	
15	14 [0x0E]	ReturnAirSensorCalibration	-5...5°C (-9...9°F)	0°C (0°F)	R/W	✳
16	15 [0x0F]	SetPointLimitCool	5...35°C (41...95°F)	10°C (50°F)	R/W	✳
17	16 [0x10]	SetPointLimitHeat	5...35°C (41...95°F)	30°C (86°F)	R/W	✳
18	17 [0x11]	EconomySetPointInCool	5...35°C (41...95°F)	30°C (86°F)	R/W	✳
19	18 [0x12]	EconomySetPointInHeat	5...35°C (41...95°F)	10°C (50°F)	R/W	✳
20	19 [0x13]	OccupancyEffectiveHVAC	0 - Occupied; 2 -Unoccupied (Occ. Sensor Function=1); 3 -Unoccupied (Occ. Sensor Function=2); 4 - Unoccupied (Occ. Sensor Function=3).	-	R	
21	20 [0x14]	OccupancySensorFunction	0-Not used, 1-On/Off, 2-Start/Stop, 3-Economy	0-Not used	R/W	
22	21 [0x15]	OccupancySensorHVACDelayTime	0...900 min	20 min	R/W	
23	22 [0x16]	Reserve	0, 1	0	R	
24	23 [0x17]	T2_Effective	-9.9...99°C (-9.9...210°F)	-	R	✳
25	24 [0x18]	T3_Effective	-9.9...99°C (-9.9...210°F)	-	R	✳
26	25 [0x19]	HeatFanOffDelay	0...120 sec	30 sec	R/W	
27	26 [0x1A]	FreezeProtectionCutInSetpoint	0...10°C (32...50°F)	5°C (41°F)	R/W	✳
28	27 [0x1B]	FreezeProtectionCutOutSetpoint	2...12°C (36...54°F)	7°C (45°F)	R/W	✳
29	28 [0x1C]	CoolDifferentialBand	0.5...5°C (1...9°F)	1°C (2°F)	R/W	✳
30	29 [0x1D]	CoolDifferentialBandOffset	-5...5°C (-9...9°F)	0°C (0°F)	R/W	✳
31	30 [0x1E]	HeatDifferentialBand	0.5...20°C (1...36°F)	1°C (2°F)	R/W	✳
32	31 [0x1F]	HeatDifferentialBandOffset	-5...5°C (-9...9°F)	0°C (0°F)	R/W	✳
33	32 [0x20]	ShiftBetweenCoolAndHeat	0...10°C (0...18°F)	2°C (4°F)	R/W	✳
34	33 [0x21]	ShiftBetweenCoolStages	0...10°C (0...18°F)	2°C (4°F)	R/W	✳
35	34 [0x22]	ShiftBetweenHeatStages	0...49°C (0...88°F)	2°C (4°F)	R/W	✳
36	35 [0x23]	TimeDelayOnNextCoolStage	0...600 sec	5 sec	R/W	
37	36 [0x24]	TimeDelayOnNextHeatStage	0...600 sec	5 sec	R/W	
38	37 [0x25]	TimeDelayOffNextCoolStage	0...600 sec	1 sec	R/W	
39	38 [0x26]	TimeDelayOffNextHeatStage	0...600 sec	1 sec	R/W	

N°	Address Dec [Hex]	Object Name	Value	Default	Access	
40	39 [0x27]	CompressorStandbyDelay	0...360 sec	240 sec	R/W	
41	40 [0x28]	DeiceCoolCutInTemperature	-9.5...8°C (15...46°F)	0°C (32°F)	R/W	●
42	41 [0x29]	DeiceCoolCutOutTemperature	2...20°C (36...68°F)	8°C (46°F)	R/W	●
43	42 [0x2A]	DeiceHeatTime	120...420 sec	300 sec	R/W	
44	43 [0x2B]	DeiceHeatBreakTime	600...1800 sec	1500 sec	R/W	
45	44 [0x2C]	DeiceHeatCutInTemperature	-9.5...8°C (15...46°F)	0°C (32°F)	R/W	●
46	45 [0x2D]	DeiceHeatCutOutTemperature	2...20°C (35...68°F)	16°C (61°F)	R/W	●
47	46 [0x2E]	CoolVFSProportionalBand	1...10°C (2...18°F)	2°C (4°F)	R/W	●
48	47 [0x2F]	HeatVFSProportionalBand	1...10°C (2...18°F)	2°C (4°F)	R/W	●
49	48 [0x30]	CoolVFSLowSpeedPercent	0...30%	20%	R/W	
50	49 [0x31]	CoolVFSMediumSpeedPercent	30...60%	50%	R/W	
51	50 [0x32]	CoolVFShighSpeedPercent	60...100%	90%	R/W	
52	51 [0x33]	HeatVFSLowSpeedPercent	0...30%	30%	R/W	
53	52 [0x34]	HeatVFSMediumSpeedPercent	30...60%	50%	R/W	
54	53 [0x35]	HeatVFShighSpeedPercent	60...100%	80%	R/W	
55	54 [0x36]	VFSMediumSpeedDiff	10...50%	35%	R/W	
56	55 [0x37]	VFSHighSpeedDiff	10...50%	35%	R/W	
57	56 [0x38]	CoolVFSLowLimit	0...100%	0%	R/W	
58	57 [0x39]	CoolVFShighLimit	0...100%	100%	R/W	
59	58 [0x3A]	HeatVFSLowLimit	0...100%	0%	R/W	
60	59 [0x3B]	HeatVFShighLimit	0...100%	100%	R/W	
61	60 [0x3C]	ModbusBaudRate	0-9600, 1-19200, 2-38400, 3-76800 4-115200	0-9600	R/W	
62	61 [0x3D]	DipSwitchesState	0...65535	-	R	
63	62 [0x3E]	HeatElement1	1-On, 0-Off	-	R	
64	63 [0x3F]	HeatElement2	1-On, 0-Off	-	R	
65	64 [0x40]	FanIndication	1-On, 0-Off	-	R	
66	65 [0x41]	Compressor1	1-On, 0-Off	-	R	
67	66 [0x42]	Compressor2	1-On, 0-Off	-	R	
68	67 [0x43]	FanOnOffLow	1-On, 0-Off	-	R	
69	68 [0x44]	FanOnOffMedium	1-On, 0-Off	-	R	
70	69 [0x45]	FanOnOffHigh	1-On, 0-Off	-	R	
71	70 [0x46]	HPOnOff	1-Close, 0-Open (if polarity=0)	-	R	
72	71 [0x47]	DI_1	1-Close, 0-Open (if polarity=0)	-	R	
73	72 [0x48]	DI2_OccupancySensor	If polarity=1: 1-Open (Occupied), 0-Close (Unoccupied).	-	R	
74	73 [0x49]	DI_3	1-Close, 0-Open (if polarity=0)	-	R	
75	74 [0x4A]	DI_4	1-Close, 0-Open (if polarity=0)	-	R	
76	75 [0x4B]	OnOff	1-On, 0-Off	0-Off	R/W	
77	76 [0x4C]	AutoFanInCool	1-Enable, 0-Disable	0-Disable	R/W	
78	77 [0x4D]	AutoFanInHeat	1-Enable, 0-Disable	1-Enable	R/W	
79	78 [0x4E]	C_F_Scale	1-Celsius, 0-Fahrenheit	1-Celsius	R/W	
80	79 [0x4F]	LockFan	1-Lock, 0-Unlock	0-Unlock	R/W	
81	80 [0x50]	LockMode	1-Lock, 0-Unlock	0-Unlock	R/W	
82	81 [0x51]	LockOnOff	1-Lock, 0-Unlock	0-Unlock	R/W	
83	82 [0x52]	LockSetpoint	1-Lock, 0-Unlock	0-Unlock	R/W	
84	83 [0x53]	DI1_Polarity	1-Norm. close, 0-Norm. open	0-Norm. open	R/W	
85	84 [0x54]	DI2_Polarity	1-Norm. open, 0-Norm. close	1-Norm. open	R/W	
86	85 [0x55]	DI3_Polarity	1-Norm. close, 0-Norm. open	0-Norm. open	R/W	

N°	Address Dec [Hex]	Object Name	Value	Default	Access	
87	86 [0x56]	DI4_Polarity	1-Norm. close, 0-Norm. open	0-Norm. open	R/W	
88	87 [0x57]	One_TwoSetpoints	0-one setpoint, 1-two setpoints	0-one setpoint	R/W	
89	88 [0x58]	AutoModeEnable	1-Enable, 0-Disable	1-Enable	R/W	
90	89 [0x59]	UnoccupiedByNetwork	1-Unoccupied, 0-Off	0-Off	R/W	
91	90 [0x5A]	TemperatureOverrideEnable	1-Enable, 0-Disable	0-Disable	R/W	
92	91 [0x5B]	ViewFloatValue	1-View, 0-Off	1-View	R/W	
93	92 [0x5C]	RestoreDefault	1-Restore, 0-Off	0-Off	R/W	
94	93 [0x5D]	DisableOccupancySensor	0- enable Occ. sensor, 1- disable Occ. sensor	0	R/W	
95	94 [0x5E]	FilterCounter	0...999 hour	-	R	
96	95 [0x5F]	FilterAlarmTimeDelay	0...999 hour	0 hour	R/W	
97	96 [0x60]	FilterAlarm	1-Alarm, 0-No Alarm	0- No Alarm	R	
98	97 [0x61]	FilterReset	1-Reset, 0-Off	0-Off	R/W	
99	98 [0x62]	FreezeProtectionEnable	1-Enable, 0-Disable	1-Enable	R/W	
100	99 [0x63]	AlarmsFaults	0...65535 Bit0 - Alarm_FreezeProtection; Bit1 - Alarm_DeiceInCool; Bit2 - Alarm_DeiceInHeat; Bit3 - Alarm_OverHeatInCool; Bit4 - Alarm_OverHeatInHeat; Bit5 - AlarmT1; Bit6 - AlarmT2; Bit7 - AlarmT3; Bit8 - Not in use; Bit9 - Not in use; Bit10 - AlarmByDI1_input; Bit11 - FaultByDI2_input; Bit12 - Not in use; Bit13 - Alarm_FanOffBySoftStart; Bit14 - Alarm_CoolValveInterlock; Bit15 - Not in use.	0	R	

As required by BACnet/BTL, the Present_Value property of all AO# / BO# objects must be writable.

To ensure the safe operation of the thermostat, writing to the Present_Value of AO# / BO# objects over the network does not alter the actual physical outputs.

In other words, a network-overridden Present_Value is reflected in the BACnet object, but the thermostat's outputs remain under internal algorithmic control.

When a Relinquish Default command is issued, the Present_Value of all AO# / BO# objects reverts to showing the algorithmically computed value.

The Modbus registers that correspond to analog/digital outputs can also be overridden via the network, but they immediately revert to the algorithm-controlled values.

Revisions				
No	Date	File	Changes	By
1	15-Jan-24	23421308.hex Build 5563	Original Miga/C/AC Object list, based on the Object list of MIGA/C/MS	B. Veikhman
2	08-Dec-25		Added a note about the writability of the Present Value of BACnet #AO and #BO and of a corresponding Modbus registers	B. Veikhman