

MULTI-MOD BACNET VARIABLE LIST (revised 8/10/07) ©2008 HEAT-TIMER CORP.

OBJ ID	OBJECT NAME	DESCRIPTION	TYPE*	UOM	RANGE / STATES	READ ONLY
0 through 19	BTIME00 through BTIME19	Stage Run-Time	AV	Minutes(72)	0 - 2,147,483,647	X
100	CO	Outdoor Cutoff Temp	AV	°C(62), °F(64)	-6 - 38°C, 20 - 100°F	
200 through 219	FIRE00 through FIRE19	Ignition Level	AV	%(98)	1 - 50	
300	GAIN	Modulation Gain	AV	none (95)	-10 - +10 (non process), 1 - 10 (process temp), 0.25 - 20.0(process psi)	
400	HC	Heat/Cool	BV		0=heat, 1=cool	
500	HFHOLD	High Fire Hold	AV	Minutes(72)	0 - 60	
600	INMODE	Sensor Mode	MV		1=°F, 2=°C, 3=15psi, 4=30psi, 5=100psi, 6=200psi, 7=300psi, 8=HWR, 9=Reset °F, 10=Reset °C	X
700	LEAD	Lead Stage	MV		0 - 19 = A - T	
800	LFHOLD	Pre-purge Delay	AV	Minutes(72)	0 - 10	
900 through 919	LOCK00 through LOCK19	Lockout Input	MV		1=(inactive), 2=Lockout, 3=Comm Error	X
1000	LSTHOLD	Last Stage Hold	AV	Psi (56), °C(62), °F(64)	0 - 3.0psi, 0 - 30psi °C °F	
1100 through 1119	MAN00 through MAN19	Manual Modulation Level	AV	%(98)	0 - 100	
1200	MAXSTG	Maximum Stages	AV	none (95)	4 - 20	X
1300	MIN	Minimum Target	AV	°C(62), °F(64)	21 - 68°C, 70 - 180°F	
1400 through 1419	MODE00 through MODE19	Stage Mode	MV		1=Auto, 2=Standby, 3=Manual, 4=Off, 5=On	
1500 through 1519	MODST00 through MODST19	Modulation Start Point	AV	%(98)	0 - 99	
1600 through 1619	MTRIM00 through MTRIM19	Modulation Output Trim	AV	none (95)	-1.0 - +1.0	
1700	ODTEMP	Outdoor Sensor	AV	°C(62), °F(64)	-40 - +122°C, -40 - +250°F	X
1800	ODTRIM	Outdoor Sensor Trim	AV	°C(62), °F(64)	-5 - +5	
1900	OFF	Offset Temp	AV	°C(62), °F(64)	-28 - +28°C, -50 - +50°F	
2000	PDATE	Panel Date	AV	Days (70) since 1/1/1981	0 - 2,147,483,647	
2100	PTIME	Panel Time	AV	Minutes(72) since 0:00	0 - 1439	
2200	R	Reset Ratio	MV		1=1:4, 2=1:3, 3=1:2, 4=1:1.5, 5=1:1.25, 6=1:1, 7=1.25:1, 8=1.5:1, 9=2:1, 10=3:1, 11=4:1	
2300	RTMODE	Lead Stage Rotation Mode	MV		1=Manual, 2=Time, 3=Last-On	
2400	RTTIME	Periodic Rotation Interval	AV	Hours(71)	1 - 999	
2500	SB	Setback	AV	Psi (56), °C(62), °F(64)	0 - 7.5psi, 0 - 75psi °C °F	

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2600	SETPT	Set point	AV	Psi (56), °C (62), °F (64)	0.0-15.0psi, 0.0-30.0psi, 0-100psi, -40 - +122°C, -40 - +250°F,	
2700	SRUNON	System Run-on	AV	Minutes (72)	0 - 60	
2800	STBYDLY	Standby Delay	AV	Minutes (72)	1 - 60	
2900 through 2919	STONOFF00 through STONOFF19	Stage Relay	BV		0=Off, 1=On	X
3000 through 3019	STPCT00 through STPCT19	Modulation Level	AV	% (98)	0 - 100	X
3100	SYSONOFF	System Relay	BV		0=Off, 1=On	X
3200	SYSEN	System Sensor	AV	Psi (56), °C (62), °F (64)	0.0 - 15.0psi, 0.0 - 30.0psi, 0 - 100psi, -40 - +122°C, -40 - +250°F,	X
3300	TARG	Calculated Target	AV	°C (62), °F (64)	21 - 122°C, 70 - 250°F	X

* AV=analog value(2), BV=binary value (5), MV=multi-state value(19).

Note: The device object id is set through the menus. The device object name is 'HTC_' followed by the panel serial number.

Note: All objects with multiple UOM's depend upon the value of INMODE to determine which to use.

Objects with only °F/°C UOM's default to °F when INMODE is not temperature.

Note: OFF, R and TARG have no effect unless INMODE is set to Reset °F or Reset °C.

Note: When writing to MAN, MODE will change to Manual.

Note: Use Multi-Mod installation menu for supplementary information.