

HWR BACNET VARIABLE LIST

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OBJ ID	OBJECT NAME	DESCRIPTION	TYPE*	UOM	RANGE	READ ONLY
0	BDIFF	Burner Differential	AV	°C (62), °F (64)	0 - 8°C, 0 - 15°F	
100	BOOST	Boost Offset	AV	°C (62), °F (64)	0 - 33°C, 0 - 60°F	
200	BOOSTMODE	Boost Mode	MV		1=Off, 2=Vari Boost, 3=Vari Boost & ESD	
300	BPTIME	Bypass Time	AV	Minutes (72)	0 - 2,147,483,647	X
400	BURNER	Burner	BV		0=Off, 1=On	X
500	BYPASSMODE	Bypass Mode	MV		1=Auto, 2=Valve Close, 3=Valve Open / Bypass	
600	CUTOFF	Outdoor Day Cutoff	AV	°C (62), °F (64)	0 - 25°C, 30 - 75°F	
700	DHWMODE	DHW Call Mode	BV		0=No Priority, 1=Priority	
800	DLS	Day Light Saving	BV		0=Enable, 1=Disable	
900	FAULTMODE	Sensor Fault Mode	BV		0=Output On, 1=Output Off	
1000	FCD	Fast Cool Down	BV		0=Minimum Water Temp, 1=Off	
1100	INMODE	Sensor Type	BV		0=°F, 1=°C	
1200	MINTGT	Min Water Temperature	AV	°C (62), °F (64)	21 - 71°C, 70 - 170°F	
1300	ODTEMP	Outdoor Sensor	AV	°C (62), °F (64)	-40 - +122°C, -40 - +250°F	X
1400	ODTRIM	Outdoor Sensor Trim	AV	°C (62), °F (64)	-3 - +3°C, -5 - +5°F	
1500	OFFSET	Offset Temperature	AV	°C (62), °F (64)	-22 - +22°C, -40 - +40°F	
1600	OPMODE	Output Mode	BV		0=Burner, 1=Motorized Valve	
1700	PDATE	Panel Date	AV	Days (70) since 1/1/1981	0 - 2,147,483,647	
1800	PRUNON	Pump Run-On	AV	Minutes (72)	0 - 60	
1900	PTIME	Panel Time	AV	Minutes (72) since 0:00	0 - 1439	
2000	PUMP	Pump	BV		0=Off, 1=On	X
2100	R	Reset Ratio	MV		1=A, 2=B, 3=C, 4=D, 5=E, 6=F, 7=G, 8=H, 9=I, 10=J	
2200 through 2255	SCHEDULES00 through SCHEDULES55	Schedules	AV	Minutes(72) since 0:00	0 - 1439, 1440=empty schedule	
2300	SEASON	Season	BV		0=Winter, 1=Summer	
2400	SETBACK	Night Setback Temperature	AV	°C (62), °F (64)	-44 - 0°C, -80 - 0°F	
2500	SHIFT	Day Night Shift	MV		1=Today, 2=ToNight, 3=ExtendDay, 4=Resync	
2600	SYSEN	System Sensor	AV	°C (62), °F (64)	-40 - +122°C, -40 - +250°F	X
2700	SYTRIM	System Sensor Trim	AV	°C (62), °F (64)	-3 - +3°C, -5 - +5°F	
2800	TARG	Calculated Target	AV	°C (62), °F (64)	0 - 116°C, 0 - 240°F	X
2900	VALVE	Motorized Valve	MV		1=Valve inactive, 2=Valve close, 3=Valve open	X
3000	ZMAXTGT	Max Target Temperature	AV	°C (62), °F (64)	32 - 116°C, 90 - 240°F	

* 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 variables with multiple UOM's depend upon the value of INMODE to determine which one to use.

Note: Use BDIFF and BURNER when OPMODE is set to Burner.

Use VALVE when OPMODE is set to Motorized Valve.

Note: Use BOOST when BOOSTMODE is set to Vari Boost or Vari Boost & ESD.

Note: The HWR has a schedule, which is 7-days, 4 day/night pairs per day. For example: Instance 2200 is the first DAY schedule of Monday; Instance 2201 is the first NIGHT schedule of Monday; Instance 2208 is the first DAY schedule of Tuesday; Instance 2209 is the first NIGHT schedule of Tuesday and so on.

Note: Use HWR installation menu for supplementary information.