



**WADSWORTH**  
Control Systems  
Environmental Controller Comparison Sheet

Features	Staged STEP Controls				Integrated STEP Controls	
	S-1608	STEP 50A	STEP 500	STEP Up	EnviroSTEP	VersiSTEP
<b>Number of Zones</b>	1	1	1	1	1	1 - 8
<b>Number of Outputs or Stages</b>	4 stages	5 stages 2 heat 3 cool	8 stages 3 heat 5 cool	6 stages 2 heat 4 cool	12 outputs	24 outputs with optional 16
<b>Set point periods</b>	One	Two Day/ Night Photo cell	Two Day/ Night Photo cell	Three Day/ Night/DIF 24 hr clock or sunrise sunset	Three Day/ Night/DIF 24 hr clock or sunrise sunset	Three Day/ Night/DIF 24 hr clock or sunrise sunset
<b>DIF Control</b>	No	No	No	Yes	Yes	Yes
<b>Ramping</b>	No	No	No	Yes	Yes	Yes
<b>Sensors</b>	1 temp	1 temp	2 temp 1 inside, 1 outside	1 temp 1 RH (optional)	1 temp, RH, 1 outside temp Additional options*	1 temp, RH, 1 outside temp Additional options*
<b>Weather Protection</b>	Weather Guard	Weather Guard	Weather Guard	Weather Guard	Weather Station	Weather Station
<b>Manual Override Switches</b>	No	Yes Toggle	Yes Toggle	Yes, electronic and toggle on contactor panel	Yes Toggle	Yes Toggle
<b>Display</b>	Temp display, mode, output status	No temp display, lights indicate stages, day/night status	Temp display, lights indicate stages, day/night status	Temp display, lights indicate stages, full menu program	Temp display, lights indicate stages, full menu program	Temp display, lights indicate stages, full menu program
<b>Navigation</b>	Buttons	Two knobs	Two knobs	Knob and button	Key pad	Key pad
<b>Records Data</b>	No	No	No	Logs and graphs of avg temp every 15 minutes for 7 days, Avg day/night	Logs and graphs 15 minutes avg. for 7 days, for all sensor input and equipment output	Logs and graphs 15 minutes avg. for 7 days, for all sensor input and equipment output

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<b>Types of equipment it can control</b>	Heating, cooling	Heating, cooling	Heating, cooling	Heating, cooling	Virtually any equipment.	Virtually any equipment.
<b>Variable speed or modulating equipment</b>	No	Yes, limited to old Barber Coleman	Yes, limited to old Barber Coleman	Yes 1 stage 0-10V or 4-20mA	Yes 2 outputs 0-10 VDC	Yes 4 outputs 0-10 VDC
<b>Light Control</b>	No	No	No	No	Yes	Yes
<b>Mist Control</b>	No	No	No	Yes (cycle timer)	Yes	Yes
<b>Irrigation Control</b>	No	No	No	No	Yes	Yes
<b>C02 control</b>	No	No	No	No	Yes	Yes
<b>Increments Vents</b>	No	Via vent control	Via vent control	Yes	Yes	Yes
<b>Recommended Vent Control</b>	LST w/ Internal or External Limits	Versatile Vent w/ Internal Limits OR Incremental w/ External Limits	Versatile Vent w/ Internal Limits OR Incremental w/ External Limits	Versatile Vent OR LST w/ Internal Limits	Versatile Vent OR LST w/ Internal Limits	Versatile Vent OR LST w/ Internal Limits
<b>Optional Equipment</b>	<ul style="list-style-type: none"> <li>Weather Guard</li> <li>Aspirated Sensor</li> <li>Alarm Manager</li> </ul> (can send an alarm signal but it uses an output, can use a t-stat)	<ul style="list-style-type: none"> <li>Weather Guard</li> <li>Alarm Manager (needs t-stats)</li> </ul>	<ul style="list-style-type: none"> <li>Weather Guard</li> <li>Alarm Manager (needs t-stats)</li> </ul>	<ul style="list-style-type: none"> <li>Weather Guard</li> <li>Alarm Manager</li> </ul>	<ul style="list-style-type: none"> <li>Weather Station</li> <li>STEPsaver</li> <li>Alarm Manager</li> <li>Sensors:               <ul style="list-style-type: none"> <li>Soil temp</li> <li>Light</li> <li>Hot water</li> <li>CO 2</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Weather Station</li> <li>STEPsaver</li> <li>Alarm Manager</li> <li>Sensors:               <ul style="list-style-type: none"> <li>Soil temp</li> <li>Light</li> <li>Hot water</li> <li>CO 2</li> </ul> </li> </ul>
<b>Total Package</b>	<p><b>MiniSTEP</b> Includes temp sensor and 75' of cable, contactor panel and blueprints</p> <p><b>S-1608</b> Includes temp sensor and 75' of cable – no contactor panel</p>	Includes aspirated temp sensor and 100' of cable	Includes aspirated temp sensor and 100' of cable and outdoor temp sensor	Includes aspirated temp sensor and 100' of cable.  Needs contactor panel to operate. Call for pricing.	Includes aspirated temp and RH sensor and 100' of cable and outdoor temp sensor	Includes aspirated temp and RH sensor and 100' of cable and outdoor temp sensor