



Omron E5EN Controller Set- Up R3MT-500 For Delta T Water Units Revised 1/17/2006

Note: Unlock¹ the controller by performing the Security Level Unlock¹ first.

Set Security Level values to 0 or off to unlock¹ which will allow you to make changes in the Initial Settings or Adjustment Level. You may then go to Initial Setting or Adjustment Level by following the steps in each section. Reset to the default Security Level settings when finished with the Initial Setting Level and Adjustment Level. This will protect the controller from unauthorized or unwanted changes to these settings.

<u>Initial Setting Level</u>	<u>Adjustment Level</u>	<u>Security Level (Default)</u>																																																												
<p>Press Level Key 3 seconds to enter Initial Setting menu. display reads CN-t</p> <p>Enter the value shown in the right column below. To change value, press the up or down arrow. Press the mode key to advance to the next function. When finished with all functions, exit by pressing the Level Key < 1 second</p> <table style="width: 100%; border: none;"> <thead> <tr> <th style="text-align: left;"><i>Function</i></th> <th style="text-align: left;"><i>Value</i></th> </tr> </thead> <tbody> <tr><td>CN-t</td><td>7</td></tr> <tr><td>d-U</td><td>f</td></tr> <tr><td>SL-H</td><td>250</td></tr> <tr><td>SL-L</td><td>32</td></tr> <tr><td>Cntl</td><td>Pid</td></tr> <tr><td>* PtRN</td><td>off</td></tr> <tr><td>5-HC</td><td>H-C</td></tr> <tr><td>CP (<i>Depends on contactor type</i>)</td><td>8 – Mercury 20 -Mechanical</td></tr> <tr><td>C-CP</td><td>7</td></tr> <tr><td>oREV</td><td>oR-R</td></tr> <tr><td>* Alt1</td><td>0</td></tr> <tr><td>* Alt2</td><td>0</td></tr> <tr><td>* AMoV</td><td>0</td></tr> </tbody> </table>	<i>Function</i>	<i>Value</i>	CN-t	7	d-U	f	SL-H	250	SL-L	32	Cntl	Pid	* PtRN	off	5-HC	H-C	CP (<i>Depends on contactor type</i>)	8 – Mercury 20 -Mechanical	C-CP	7	oREV	oR-R	* Alt1	0	* Alt2	0	* AMoV	0	<p>Press Level key < 1 second to enter Adjustment Level menu. Display reads L.AdJ</p> <p>Press mode key, enter value shown in the right column below. To change value, press the up or down arrow. Press mode key to advance to the next function. When finished with all functions, exit by pressing Level Key < 1 second</p> <table style="width: 100%; border: none;"> <thead> <tr> <th style="text-align: left;"><i>Function</i></th> <th style="text-align: left;"><i>Value</i></th> </tr> </thead> <tbody> <tr><td>At</td><td>oFF</td></tr> <tr><td>CNS</td><td>0.0</td></tr> <tr><td>P</td><td>20</td></tr> <tr><td>I</td><td>20</td></tr> <tr><td>d</td><td>5</td></tr> <tr><td>C-SC</td><td>.50</td></tr> <tr><td>c-db</td><td>2.0</td></tr> <tr><td>* SPRt</td><td>oFF</td></tr> <tr><td>* oL-H</td><td>105.0</td></tr> <tr><td>* oL-L</td><td>-105.0</td></tr> </tbody> </table> <p>* may not be on older models</p>	<i>Function</i>	<i>Value</i>	At	oFF	CNS	0.0	P	20	I	20	d	5	C-SC	.50	c-db	2.0	* SPRt	oFF	* oL-H	105.0	* oL-L	-105.0	<p>Press Level and Mode keys simultaneously 3 seconds to enter security. Display reads oAPt Press V / ^ to change values</p> <p>Press the mode key to advance to the next function. When finished, press level and mode key 3 seconds to exit security.</p> <p>The settings below are the final settings. If you are changing other values you will need to unlock by following steps below.</p> <table style="width: 100%; border: none;"> <thead> <tr> <th style="text-align: left;"><i>Function</i></th> <th style="text-align: left;"><i>Value</i></th> </tr> </thead> <tbody> <tr><td>oAPt</td><td>2</td></tr> <tr><td>LCPt</td><td>2</td></tr> <tr><td>WtPt</td><td>off</td></tr> <tr><td>PRLP</td><td>0</td></tr> </tbody> </table> <p>¹ TO UNLOCK</p> <p>Set above values to 0 or off to unlock which will allow you to make changes in the Initial Settings or Adjustment Level. You may now go to Initial Setting or Adjustment Level by following the steps in each section. Reset to the above settings when finished with Initial Setting Level and Adjustment Level to protect from unauthorized or unwanted changes to these settings.</p>	<i>Function</i>	<i>Value</i>	oAPt	2	LCPt	2	WtPt	off	PRLP	0
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