
 <p><b>Universal Temperature Controller</b> Model : DQ UN 200 Phone : +91-44-22582122, Cell : +91-9444346180</p>	<p><b>Key -SET, Key2 ▲-up, Key▼ -Down</b></p>														
	<p>To Select Input sensor type Press <b>Key SET</b> then Use <b>Key ▲ &amp; Key ▼</b> Select</p> <table border="1" data-bbox="820 430 1404 520"> <tr> <th>InP</th> <th>Pt 1</th> <th>Pt 2</th> <th>J</th> <th>K</th> </tr> <tr> <td></td> <td>-50.0 - 400.0 °C</td> <td>-50 - 400 °C</td> <td>0-600 °C</td> <td>0-1250 °C</td> </tr> </table> <p>Press <b>Key▼</b> go to PV offset mode</p>	InP	Pt 1	Pt 2	J	K		-50.0 - 400.0 °C	-50 - 400 °C	0-600 °C	0-1250 °C				
InP	Pt 1	Pt 2	J	K											
	-50.0 - 400.0 °C	-50 - 400 °C	0-600 °C	0-1250 °C											
	<p>To select Process Value offset value mode Press <b>Key SET</b> then Use <b>Key ▲ &amp; Key ▼</b> Select</p> <table border="1" data-bbox="820 661 1079 724"> <tr> <td>PV oS</td> <td>0000</td> </tr> <tr> <td></td> <td>°C</td> </tr> </table> <p>Press <b>Key▼</b> go to Set control mode for set 1</p>	PV oS	0000		°C										
	PV oS	0000													
	°C														
<p><b>Specification :</b></p> <p>Input : J/K/Pt-100 selectable Control Action : On-Off/ Time Proportional Output : Relay 5A/230VAC / SSR Supply : 230VAC/50Hz Resolution : 0.1/1 Deg Range : Pt-100 &gt; -50.0 -400.0 °C           J &gt; 0 -600 °C           K &gt; 0 -1250 °C</p> <p>No of set point : 1/2/3 PV offset : -99.9 -99.9 °C Hysteresis : 0 – 99 °C Proportional Band : 0 – 99 °C Cycle Time : 1 -99 seconds Manual Reset : 0-99.9 °C Control Direction: Heat/Cool for On-Off Only Operating Conditions : Temperature : 0 to 50 °C,   Humidity : 0 to 80 % RH</p>	<p>To Select control Mode for set 1 Press <b>Key SET</b> then Use <b>Key ▲ &amp; Key ▼</b> Select</p> <table border="1" data-bbox="820 850 1323 913"> <tr> <td>Cntr1</td> <td>On</td> <td>Pr</td> </tr> <tr> <td></td> <td>On-Off</td> <td>Time Proportional</td> </tr> </table> <p>Press <b>Key▼</b> go to Set Hysteresis mode</p> <p>To set Hysteresis Value      If Cntr1 = On Press <b>Key SET</b> then Use <b>Key ▲ &amp; Key ▼</b> Select</p> <table border="1" data-bbox="820 997 1128 1060"> <tr> <td>HYS1</td> <td>01</td> </tr> <tr> <td></td> <td>0.1 – 99.9 °C</td> </tr> </table> <p>This parameter determines the value of the process value at which the relay must turn on in On-Off mode. Press <b>Key▼</b> go to Set proportional mode</p> <p>To set Proportional Band in °C      If Cntr1 = Pr Press <b>Key SET</b> then Use <b>Key ▲ &amp; Key ▼</b> Select</p> <table border="1" data-bbox="820 1207 1079 1270"> <tr> <td>P</td> <td>01</td> </tr> <tr> <td></td> <td>1 – 99 °C</td> </tr> </table> <p>This parameter determines the value of the process value below the set value at which the proportional action will start. Press <b>Key▼</b> go to Set Cycle time mode</p>	Cntr1	On	Pr		On-Off	Time Proportional	HYS1	01		0.1 – 99.9 °C	P	01		1 – 99 °C
Cntr1	On	Pr													
	On-Off	Time Proportional													
HYS1	01														
	0.1 – 99.9 °C														
P	01														
	1 – 99 °C														
<p><b>Configuration setting :</b></p> <p>Turn off the instrument. Now short the terminals marked configuration and turn ON the instrument . Now change/read the configuration parameters as below after setting. Turn OFF the instrument, remove the shorting and turn ON the instrument to apply the new settings.</p>	<p>To set cycle time in seconds      If Cntr1 = Pr Press <b>Key SET</b> then Use <b>Key ▲ &amp; Key ▼</b> Select</p> <table border="1" data-bbox="820 1491 1079 1554"> <tr> <td>CYCt</td> <td>20</td> </tr> <tr> <td></td> <td>1 – 99 sec</td> </tr> </table> <p>The parameter determines the total cycle time for the proportional action. Press <b>Key▼</b> go to Set maximum set point mode</p>	CYCt	20		1 – 99 sec										
CYCt	20														
	1 – 99 sec														

# Universal Dual Temperature Controller

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<p>To determine the maximum set point limit</p> <p>Press <b>Key SET</b> then Use <b>Key ▲ &amp; Key ▼</b> Select</p> <table border="1" data-bbox="196 365 461 432"> <tr><td>Rn61</td><td>0450</td></tr> <tr><td></td><td>°C</td></tr> </table> <p>Change the set point limit , Refer table1for various input Press <b>Key ▼</b> go to Set Lock mode</p>	Rn61	0450		°C	<p>Changing manual reset /set2/set3</p> <p>Turn on the instrument. The upper display will show the process temperature and the lower display will show set1 temperature.</p> <p>To enter editing mode press and hold <b>Key ▲ &amp; Key ▼</b> For 3-4 seconds. The display will show as below</p>															
Rn61	0450																			
	°C																			
<p>To select lock mode</p> <p>Press <b>Key SET</b> then Use <b>Key ▲ &amp; Key ▼</b> Select</p> <table border="1" data-bbox="196 569 461 625"> <tr><td>LcK</td><td>0000</td></tr> <tr><td></td><td>0 to 3</td></tr> </table> <p>This parameter determines whether the manual reset parameter /set2/set3 should be accessible from the front panel to user. If lock 0 : disable all If lock 1 : show manual reset only If lock 2 : show manual reset and set2 only Press <b>Key ▼</b> go to Control action for set2</p>	LcK	0000		0 to 3	<table border="1" data-bbox="821 552 1154 615"> <tr><td>MAn</td><td>0000</td></tr> <tr><td></td><td>0 – 99 °C</td></tr> </table> <p>Press <b>Key ▼</b> go to set2 value</p>	MAn	0000		0 – 99 °C											
LcK	0000																			
	0 to 3																			
MAn	0000																			
	0 – 99 °C																			
<p>To set control action for set 2</p>	<p>To display the set -2 value</p>																			
<p>Press <b>Key SET</b> then Use <b>Key ▲ &amp; Key ▼</b> Select</p> <table border="1" data-bbox="196 909 748 968"> <tr><td rowspan="2">Cnt2</td><td>HEAT</td><td>COOL</td><td>A-Hi</td></tr> <tr><td>Forward</td><td>Reverse</td><td>Alarm Hi</td></tr> </table> <table border="1" data-bbox="196 995 748 1066"> <tr><td>A-Lo</td><td>d-HI</td><td>d-Lo</td><td>both</td></tr> <tr><td>Alarm Lo</td><td>Dev Hi</td><td>Dev Lo</td><td>Dev Hi/Lo</td></tr> </table> <p>Press <b>Key ▼</b> go to Set Hysteresis mode of set 2</p>	Cnt2	HEAT	COOL	A-Hi	Forward	Reverse	Alarm Hi	A-Lo	d-HI	d-Lo	both	Alarm Lo	Dev Hi	Dev Lo	Dev Hi/Lo	<p>Press <b>Key SET</b> then Use <b>Key ▲ &amp; Key ▼</b> Select</p> <table border="1" data-bbox="821 730 1081 793"> <tr><td>Set2</td><td>0200</td></tr> <tr><td></td><td>°C</td></tr> </table> <p>Change the set point limit , Refer table1for various input</p>	Set2	0200		°C
Cnt2		HEAT	COOL	A-Hi																
	Forward	Reverse	Alarm Hi																	
A-Lo	d-HI	d-Lo	both																	
Alarm Lo	Dev Hi	Dev Lo	Dev Hi/Lo																	
Set2	0200																			
	°C																			
<p>To set Hysteresis Value of set 2</p>	<p>Come out of editing mode</p> <p>After changing the required values, press and hold <b>Key ▲ &amp; Key ▼</b> for 3 – 4 seconds to come out of the editing mode. Note that the parameters displayed in this mode is dependent upon the lock parameter in the configuration mode. Also more than 10 -12 seconds automatically come out</p>																			
<p>Press <b>Key SET</b> then Use <b>Key ▲ &amp; Key ▼</b> Select</p> <table border="1" data-bbox="196 1230 485 1289"> <tr><td>HYS2</td><td>01</td></tr> <tr><td></td><td>0.1 – 99.9°C</td></tr> </table> <p>Press <b>Key ▼</b> go to Set 2 maximum limit mode</p>	HYS2	01		0.1 – 99.9°C	<p>This table shows the maximum set point limit ranges for different inputs</p> <p>J Type : 0 -600 °C K Type : 0 -1250 °C Pt 100 1 : -50 -400 °C Pt 100 2 : -50.0 – 400.0 °C</p>															
HYS2	01																			
	0.1 – 99.9°C																			
<p>To determine the maximum set point limit</p>	<p>Size of Controller</p>																			
<p>Press <b>Key SET</b> then Use <b>Key ▲ &amp; Key ▼</b> Select</p> <table border="1" data-bbox="196 1444 461 1512"> <tr><td>Rn62</td><td>0450</td></tr> <tr><td></td><td>°C</td></tr> </table> <p>Change the set point limit , Refer table for various input</p>	Rn62	0450		°C	<p>DQ UN 200 Cut out : 92mm(W)X92mm(H) Overall : 96mm(W)X96mm(H)X90mm(D)</p> <p>More Information Contact : +91-9677299582</p>															
Rn62	0450																			
	°C																			
<p>Changing set1 value : Turn on the instrument. The upper display will show the process temperature and the lower display will show the set1 temperature. To change the set1, Press <b>Key SET</b> then Use <b>Key ▲ &amp; Key ▼</b> Select</p>	<p>Low cost high accuracy universal dual display temperature controller Also available single display controller, process scanner and humidity /Temperature controllers Process logger and Rtd, Thermocouples etc ...</p>																			