


<p>Universal Temperature Controller Model : DQ 100UN Phone : 044-2258 2122 / 2314, Cell : 09677299582</p>	<p>Key -SET, Key2 ▲-up, Key▼ -Down</p>												
	<p>To Select Input sensor type Press Key SET then Use Key ▲ & Key ▼ Select</p> <table border="1" data-bbox="818 457 1370 520"> <tr> <td>InP</td> <td>J</td> <td>K</td> <td>Pt</td> </tr> <tr> <td></td> <td>0-600 °C</td> <td>0-1250 °C</td> <td>0-400 °C</td> </tr> </table> <p>Press Key▼ go to control mode</p>	InP	J	K	Pt		0-600 °C	0-1250 °C	0-400 °C				
InP	J	K	Pt										
	0-600 °C	0-1250 °C	0-400 °C										
<p>Specification :</p> <p>Input : J/K/Pt-100 selectable Control Action : On-Off/ Time Proportional Output :Relay 5A/230VAC / SSR Supply : 230VAC/50Hz Resolution : 1 Deg Range : Pt-100 > 0 -400 DegC J > 0 -600 DegC K > 0 -1250 DegC Hysterisis : 0 – 99 DegC Proportional Band : 0 – 99 DegC Cycle Time : 1 -99 seconds Manual Reset : 0-99 DegC 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 Press Key SET then Use Key ▲ & Key ▼ Select</p> <table border="1" data-bbox="818 684 1321 747"> <tr> <td>Cntr</td> <td>On</td> <td>Pr</td> </tr> <tr> <td></td> <td>On-Off</td> <td>Time Proportional</td> </tr> </table> <p>Press Key▼ go to Set Hysterisis mode</p>	Cntr	On	Pr		On-Off	Time Proportional						
Cntr	On	Pr											
	On-Off	Time Proportional											
<p>Configuration setting :</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 Hysterisis Value If Cntr = On Press Key SET then Use Key ▲ & Key ▼ Select</p> <table border="1" data-bbox="818 919 1081 982"> <tr> <td>HYS</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 at which the relay must turn on in On-Off mode.</p> <p>Press Key▼ go to Set proportional mode</p> <p>To set Proportional Band in °C If Cntr = Pr Press Key SET then Use Key ▲ & Key ▼ Select</p> <table border="1" data-bbox="818 1213 1081 1276"> <tr> <td>Pb</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.</p> <p>Press Key▼ go to Set Cycle time mode</p> <p>To set cycle time in seconds If Cntr = Pr Press Key SET then Use Key ▲ & Key ▼ Select</p> <table border="1" data-bbox="818 1514 1081 1577"> <tr> <td>CYC</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.</p> <p>Press Key▼ go to Set Relay Logic mode</p>	HYS	01		1 – 99 °C	Pb	01		1 – 99 °C	CYC	20		1 – 99 sec
HYS	01												
	1 – 99 °C												
Pb	01												
	1 – 99 °C												
CYC	20												
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<p>To set Relay Logic</p> <p>Press Key SET then Use Key ▲ & Key ▼ Select</p> <table border="1" data-bbox="196 321 605 384"> <tr> <td>rLY</td> <td>HEAT</td> <td>COOL</td> </tr> <tr> <td></td> <td>Forward</td> <td>Reverse</td> </tr> </table> <p>Press Key▼ go to Set Maximum Set point mode</p> <p>To determine the maximum set point limit</p> <p>Press Key SET then Use Key ▲ & Key ▼ Select</p> <table border="1" data-bbox="196 541 461 604"> <tr> <td>HlgH</td> <td>0450</td> </tr> <tr> <td></td> <td>°C</td> </tr> </table> <p>Change the set point limit , Refer table1for various input</p> <p>Press Key▼ go to Set Instrument reset mode</p>	rLY	HEAT	COOL		Forward	Reverse	HlgH	0450		°C	<p>Default Reset Value</p> <table border="1" data-bbox="938 306 1273 596"> <tr> <td>InP</td> <td>J</td> </tr> <tr> <td>Cntr</td> <td>On</td> </tr> <tr> <td>HYS</td> <td>01</td> </tr> <tr> <td>Pb</td> <td>20</td> </tr> <tr> <td>CYC</td> <td>20</td> </tr> <tr> <td>rLY</td> <td>HEAt</td> </tr> <tr> <td>HlgH</td> <td>0600</td> </tr> <tr> <td>rSt</td> <td>0</td> </tr> <tr> <td>LcK</td> <td>En</td> </tr> </table> <p>Note that the set point remains unaffected even on instrument reset</p>	InP	J	Cntr	On	HYS	01	Pb	20	CYC	20	rLY	HEAt	HlgH	0600	rSt	0	LcK	En
rLY	HEAT	COOL																											
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<p>To select instrument reset</p> <p>Press Key SET then Use Key ▲ & Key ▼ Select</p> <table border="1" data-bbox="196 835 440 867"> <tr> <td>rSt</td> <td>0</td> </tr> </table> <p>To scroll from 0 to 8 set to 6 for resetting the instrument to default values as given below .</p> <p>Press Key▼ go to Set lock mode</p>	rSt	0	<p>Programming set point</p> <p>Press Key SET to view set point To increase set point press Key ▲ To decrease set point press Key ▼</p> <p>Programming Manual Reset</p> <p>To view manual reset press and hold Key▲ and Key▼ for 3-4 seconds</p>																										
rSt	0																												
<p>To select lock mode</p> <p>Press Key SET then Use Key ▲ & Key ▼ Select</p> <table border="1" data-bbox="196 1129 678 1192"> <tr> <td>LcK</td> <td>En</td> <td>ObS</td> </tr> <tr> <td></td> <td>Enable</td> <td>Obstruct/Disable</td> </tr> </table> <p>This parameter determines whether the manual reset parameter should be accessible from the front panel to the user. If lock = en , then the user is prohibited from entering the manual reset mode and vice versa.</p> <p>Press Key▼ go to return to parameter (Input)</p>	LcK	En	ObS		Enable	Obstruct/Disable	<p>Manual Reset</p> <table border="1" data-bbox="818 1052 1154 1115"> <tr> <td>MAn</td> <td>00</td> </tr> <tr> <td></td> <td>1 – 99 °C</td> </tr> </table> <p>This parameter compensates for the offset created by the controller when controlling the process value near the set point.</p>	MAn	00		1 – 99 °C																		
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<p>Table -1</p> <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 : 0 -400 °C</p>	<p>Size of Controller</p> <p>48 x 48 mm Cut out : 46mm(W)X46mm(H) Overall : 48mm(W)X48mm(H)X100mm(D)</p> <p>48 x 96 Cut out : 92mm(W)X46mm(H) Overall : 96mm(W)X48mm(H)X65mm(D)</p> <p>72 x 72 Cut out : 68mm(W)X68mm(H) Overall : 72mm(W)X72mm(H)X110mm(D)</p> <p>96 x 96 Cut out : 92mm(W)X92mm(H) Overall : 96mm(W)X96mm(H)X90mm(D)</p>																												