

| OPERATOR PARAMETERS | |
|-----------------------|--|
| Parameters | Settings (Default Value) |
| Temp. Set Value >> | SP Low Limit to SP High Limit (Default : 25.0) |
| %RH Set Value >> | SP Low Limit to SP High Limit (Default : 60.0) |
| Temp. Lo Deviation >> | 0.2 to 99.9 (Default : 2.0) |
| Temp. Hi Deviation >> | 0.2 to 99.9 (Default : 2.0) |
| %RH Lo Deviation >> | 0.2 to 99.9 (Default : 2.0) |
| %RH Hi Deviation >> | 0.2 to 99.9 (Default : 2.0) |
| Change Password >> | 1 to 100 (Default : 0) |

| RECORDING PARAMETERS | |
|--------------------------------|---|
| Parameters | Settings (Default Value) |
| Recording Interval (min) >> | 0 to 250 Min (Default : 5 Min) |
| Alarm Toggle Records >> | Enable/Disable (Default : Enable) |
| Delete PC Records >> | Yes/No (Default : No) |
| Temp. Zero Offset >> | -50.0 to 50.0 (Default : 0.0) |
| %RH Zero Offset >> | -50.0 to 50.0 (Default : 0.0) |
| GSM Machine ID >> (refer note) | 1 to 128 (Default : 1) |
| RTC Time >> | 0 to 23 for Hour / 0 to 59 for Min (Default : NA) |
| RTC Date >> | 1 to 31 (Default : NA) |
| RTC Month >> | 1 to 12 (Default : NA) |
| RTC Year >> | 2000 to 2099 (Default : NA) |
| Device Id >> | 1 to 127 (Default : 1) |
| Change Password >> | 1000 to 1999 (Default : 123) |

| FACTORY > TEMPERATURE > ALARM FACTORY > HUMIDITY (%RH) > ALARM | |
|---|-----------------------------|
| Parameters | Settings (Default Value) |
| Hysteresis >> | 0.1 to 99.9 (Default : 0.2) |
| Inhibit >> | Yes/No (Default : Yes) |

| FACTORY > TEMPERATURE > CONTROL FACTORY > HUMIDITY (%RH) > CONTROL | |
|---|--|
| Parameters | Settings (Default Value) |
| Tune >> | Yes/No (Default : No) |
| Setpoint LO Limit >> | -99.9 to SETPOINT HI LIMIT (Default : 10.0) |
| Setpoint HI Limit >> | For RTD: Setpoint Lo Limit to 600.0 For mA/V: Setpoint Lo Limit to 999.9 (Default : 60.0) |

| FACTORY > TEMPERATURE > CONTROL FACTORY > HUMIDITY (%RH) > CONTROL | |
|---|---------------------------------------|
| CONTROL ZONES : DUAL | |
| Parameters | Settings (Default Value) |
| CZ Prop Band >> | 0.1 to 999.9 (Default : 50.0) |
| CZ Integral Time >> | 0 to 3600 Sec (Default : 100 Sec) |
| CZ Derivative Time >> | 0 to 600 Sec (Default : 16 Sec) |
| HZ Prop Band >> | 0.1 to 999.9 (Default : 50.0) |
| HZ Integral Time >> | 0 to 3600 Sec (Default : 100 Sec) |
| HZ Derivative Time >> | 0 to 600 Sec (Default : 16 Sec) |
| Cycle Time >> | 0.5 to 100.0 Sec (Default : 10.0 Sec) |

| FACTORY > TEMPERATURE > SENSOR INPUT FACTORY > HUMIDITY (%RH) > SENSOR INPUT | | | | | | | | | | | | | | | | | | | |
|---|--|------------|----------|---------|-----------|---------------------|-------|-----------|---------------------|-------|---------|----------------------|-------|----------|---------------------|-------|---------|----------------------|-------|
| Parameters | Settings (Default Value) | | | | | | | | | | | | | | | | | | |
| Input Type >> | * RTD Pt100 0-20mA 4-20mA 0-5V 0-10V 1-5V (Default : For Temp. Input : RTD Pt100 For %RH Input : 0-5V) *Available for Temp. Input only | | | | | | | | | | | | | | | | | | |
| Signal LO >> | <table border="1"> <thead> <tr> <th>Input Type</th> <th>Settings</th> <th>Default</th> </tr> </thead> <tbody> <tr> <td>0 to 20mA</td> <td>0.00 to Signal High</td> <td>0.00</td> </tr> <tr> <td>4 to 20mA</td> <td>4.00 to Signal High</td> <td>4.00</td> </tr> <tr> <td>0 to 5V</td> <td>0.000 to Signal High</td> <td>0.000</td> </tr> <tr> <td>0 to 10V</td> <td>0.00 to Signal High</td> <td>0.00</td> </tr> <tr> <td>1 to 5V</td> <td>1.000 to Signal High</td> <td>1.000</td> </tr> </tbody> </table> | Input Type | Settings | Default | 0 to 20mA | 0.00 to Signal High | 0.00 | 4 to 20mA | 4.00 to Signal High | 4.00 | 0 to 5V | 0.000 to Signal High | 0.000 | 0 to 10V | 0.00 to Signal High | 0.00 | 1 to 5V | 1.000 to Signal High | 1.000 |
| Input Type | Settings | Default | | | | | | | | | | | | | | | | | |
| 0 to 20mA | 0.00 to Signal High | 0.00 | | | | | | | | | | | | | | | | | |
| 4 to 20mA | 4.00 to Signal High | 4.00 | | | | | | | | | | | | | | | | | |
| 0 to 5V | 0.000 to Signal High | 0.000 | | | | | | | | | | | | | | | | | |
| 0 to 10V | 0.00 to Signal High | 0.00 | | | | | | | | | | | | | | | | | |
| 1 to 5V | 1.000 to Signal High | 1.000 | | | | | | | | | | | | | | | | | |
| Signal HI >> | <table border="1"> <thead> <tr> <th>Input Type</th> <th>Settings</th> <th>Default</th> </tr> </thead> <tbody> <tr> <td>0 to 20mA</td> <td>Signal Low to 20.00</td> <td>20.00</td> </tr> <tr> <td>4 to 20mA</td> <td>Signal Low to 20.00</td> <td>20.00</td> </tr> <tr> <td>0 to 5V</td> <td>Signal Low to 5.000</td> <td>5.000</td> </tr> <tr> <td>0 to 10V</td> <td>Signal Low to 10.00</td> <td>10.00</td> </tr> <tr> <td>1 to 5V</td> <td>Signal Low to 5.000</td> <td>5.000</td> </tr> </tbody> </table> | Input Type | Settings | Default | 0 to 20mA | Signal Low to 20.00 | 20.00 | 4 to 20mA | Signal Low to 20.00 | 20.00 | 0 to 5V | Signal Low to 5.000 | 5.000 | 0 to 10V | Signal Low to 10.00 | 10.00 | 1 to 5V | Signal Low to 5.000 | 5.000 |
| Input Type | Settings | Default | | | | | | | | | | | | | | | | | |
| 0 to 20mA | Signal Low to 20.00 | 20.00 | | | | | | | | | | | | | | | | | |
| 4 to 20mA | Signal Low to 20.00 | 20.00 | | | | | | | | | | | | | | | | | |
| 0 to 5V | Signal Low to 5.000 | 5.000 | | | | | | | | | | | | | | | | | |
| 0 to 10V | Signal Low to 10.00 | 10.00 | | | | | | | | | | | | | | | | | |
| 1 to 5V | Signal Low to 5.000 | 5.000 | | | | | | | | | | | | | | | | | |
| Range LO >> | -199.9 to RANGE HI (Default : 0.0) | | | | | | | | | | | | | | | | | | |
| Range HI >> | RANGE LO to 999.9 (Default : 100.0) | | | | | | | | | | | | | | | | | | |

| FACTORY > COMPRESSOR | | |
|--|--|---|
| Control Strategy : Heat + Cool | | |
| COMPRESSOR STRATEGY >> | | Settings (Default Value) |
| | | CONT. OFF CONT. ON SP BASED PV BASED (Default : CONT. ON) |
| CONT. ON | SP BASED | PV BASED |
| Time Delay (sec) >> 0 to 1000 Sec (Default : 200 Sec) | Boundary Set Value >> 0.0 to 100.0 (Default : 45.0) | Compressor SP >> 0.0 to 100.0 (Default : 45.0) |
| | Control Zones >> SINGLE DUAL (Default : SINGLE) | Hysteresis >> 0.1 to 99.9 (Default : 2.0) |
| | Time Delay (sec) >> 0 to 1000 Sec (Default : 200 Sec) | Time Delay (sec) >> 0 to 1000 Sec (Default : 200 Sec) |

| FACTORY > BOILER WATER LEVEL | |
|------------------------------|---|
| Parameters | Settings (Default Value) |
| Enable >> | Yes/No (Default : No) |
| Water Level Strategy >> | Single Switch Dual Switch Lo-hi Dual Switch Lo-vlo (Default : Single Switch) |
| Switch-1 Logic >> | Close : Water Lo Open : Water Lo (Default : Close : Water Lo) |
| Switch-2 Logic >> | Close : Water HI Open : Water HI (Default : Close : Water HI) OR Close : Water VLO Open : Water VLO (Default : Close : Water VLO) |

| FACTORY > DOOR OPEN | |
|-------------------------|--|
| Parameters | Settings (Default Value) |
| Enable >> | Yes/No (Default : No) |
| Switch Logic >> | Close : Door Open Open : Door Open (Default : Close : Door Open) |
| Door Alarm Dly (sec) >> | 0 to 1000 Sec (Default : 60 Sec) |

| FACTORY > MAINS FAILURE | |
|-------------------------|---|
| Parameters | Settings (Default Value) |
| Enable >> | Yes/No (Default : No) |
| Switch Logic >> | Close : Mains Fail Open : Mains Fail (Default : Close : Mains Fail) |

| FACTORY > SMS ALERT | |
|----------------------------------|--------------------------|
| Parameters | Settings (Default Value) |
| Enable >> (refer note) | Yes/No (Default : No) |
| Reset GSM Module >> (refer note) | Yes/No (Default : No) |

Note : These parameters are available only if the controller supplied with GSM module version.

| FACTORY > FACTORY DEFAULT | |
|---------------------------|--------------------------|
| Parameters | Settings (Default Value) |
| Set To Default >> | Yes/No (Default : No) |

| FACTORY > PASSWORD | |
|--------------------|------------------------------|
| Parameters | Settings (Default Value) |
| Change Password >> | 2000 to 2999 (Default : 321) |

| FACTORY > EXIT | |
|--------------------|--------------------------|
| Parameters | Settings (Default Value) |
| Exit Setup Mode >> | Yes/No (Default : No) |

| FRONT PANEL KEYS | | |
|------------------|-------------------|--|
| Symbol | Key | Function |
| | Scroll | Press to scroll through various Process Information Screens in Normal Operation Mode. |
| | Alarm Acknowledge | Press to acknowledge and mute (if active) alarm output. |
| | DOWN | Press to decrease the parameter value. Pressing once decreases the value by one count; keeping pressed speeds up the change. |
| | UP | Press to increase the parameter value. Pressing once increases the value by one count; keeping pressed speeds up the change. |
| | SET-UP | Press to enter or exit set-up mode. |
| | ENTER | Press to store the set parameter value and to scroll to the next parameter. |

| PV ERROR INDICATIONS | | |
|----------------------|-------------|--|
| Message | Error Type | Cause |
| OPEN | Sensor Open | Sensor (RTD Pt100) Broken / Open |
| OVR | Over-range | Temperature above Max. Specified Range |
| UNR | Under-range | Temperature below Min. Specified Range |

