TEMPTRON 305 USER'S MANUAL

The Temptron 305 is a stand-alone 4-zone temperature, 3-phase monitor and alarm system. The Temptron 305 will display the temperature of its 4 connected temperature sensors one by one every 5 seconds.
It is possible to set a high and low temperature setting for each zone.
If one of the temperature sensor readings deviates from the preset range, the alarm relay will be activated.
If a power failure occurs on one of the 3-phase connected to the Temptron 305, the alarm relay will be activated and power light will be lighted. For a power failure It is possible to set an delay before the alarm is activated.

INSTALLATION

1. Unscrew the four screws on the front panel and carefully remove the cover. Disconnect the flat cable that connects the base and front panel. This is done by pushing the two "ears" of the connector sideways thus releasing the connection. Pay attention to the connection polarity before reconnecting it.
2. Connect the 380V R,S,T, 0 and ground to the unit's power input. If you have only one phase, connect the R,S,T inputs together using the same phase.
3. Connect the enclosed temperature sensors to the unit's temperature inputs. The sensors can be placed up to 100 meters from the main unit using ordinary two-wire cable. The sensor's polarity is unimportant.
4. Connect the alarm relay dry contact. (Max. 2A/220V). Reconnect the flat cable and make sure that it "clicks" into its position.
5. Close the front panel with the four screws.

OPERATION

Connect the Temptron 305 to the main power. The unit will calibrate itself to its connected temperature sensors. It will display "---" for about 20 seconds and then the temperature will be displayed. The Temptron 305 scans the 4 connected temperature sensors with 5 seconds intervals. The Zone light indicates which sensor is displayed.
If the measured temperature from one or more zones deviates from its high and low temperature setting, the Temptron 305 will activate its alarm relay.
When the faulty zone is scanned either H (High temperature) or L (Low temperature) will appear together with the current temperature reading for that zone. Both the "**ALARM ON**" and "**TEMP**" LED will be on to indicate that the alarm reason is temperature.
It is possible to connect a 3-phase 380V to the Temptron 305. In the event of power failure on any connected phase, the Temptron 305 will activate its alarm relay and light up the "**ALARM ON**" and "**POWER**" led, to indicate that the alarm reason is a power failure.
For a power failure it is possible to set a delay before the alarm is activated.

ZONES 1-4

It is possible to set a high and low temperature for each zone.

1. Push on "+" or "-" until the desired zone lights up.
2. Push on "PROG". The "PROG", "ZONE" and "Low " light will begin to flash.
3. Push on "+" or "-" until the desired low temperature is reached.
   To save push on "ENTER".
   Next the "PROG", "ZONE and "HIGH" light will begin to flash.
4. Push on "+" or "-" until the desired high temperature is reached.
   To save push on "ENTER".
   Using the above steps it is possible to set a high and low temperature for each zone separately.

3 PHASE ALARM

It is possible to receive an alarm if one or more of the phases is missing.
It is possible to set a delay up to 5 minutes before the alarm for an missing phase is activated.

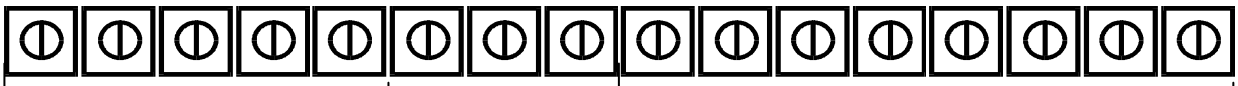
1. Push on "+" or "-" until the "DELAY" lights up.
2. Push on "PROG". The "PROG", "DELAY" lights will flash.
3. Push on "+" or "-" until the desired delay time is set.
4. To save push on "ENTER".

Trouble shooting:

If there is no temperature sensor connected to a zone, then "**OPEN**" will appear on the display when that zone is scanned.

If there is a short out on one of the temperature sensors the letters **SHRT** Will appear in the display.

If one phase electricity is being used it is necessary to bridge between all three phases.



IN_R IN_S GND IN_T N	NC C NO	IN1 GND IN2 GND IN3 GND IN4 GND
Connect three phase 240V here	Connect relay here.	Sensor1 Sensor2 Sensor3 Sensor4 Connect temperature sensors here.