

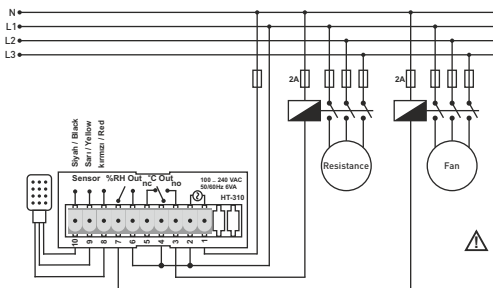
General Specifications

- µP based, temperature and humidity controller
- Measuring scale: -19.9°C ... +80.0°C, 5 .. 95 %RH
- ON-OFF control form
- Separate outputs for temperature and humidity control
- Selectable heating and cooling function
- Selectable humidity increase / decrease function
- Upper limit for Temperature and Humidity SET settings
- Lower limit for Temperature and Humidity SET settings
- Adjustable separate hysteresis for Temperature and Humidity settings
- Adjustable delay timer before OUT ON for cooling function
- Separate adjustable "Offset" for Temperature and Humidity measurements
- Selectable parameter display feature
- Password protection
- High accuracy
- EEPROM memory to store settings
- Easy connection with plug-in connectors

Warning:

- Use twisted pair and shielded signal cables. Connect shield to ground from the device side. Keep all signal cables away from circuit breakers, devices/cables emitting electrical noise and power cables.
- Take precautions against environmental conditions like humidity, vibration, pollution and high/low temperature during installation.
- Use a fuse (slow 250mA 250VAC) on supply input of the device. Use appropriate cables for supply connections. Apply safety regulations during installation.

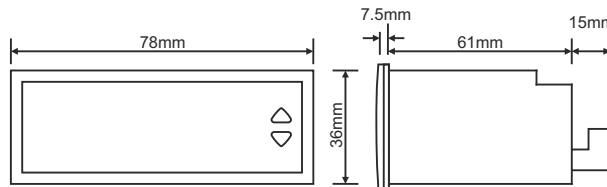
Connection:



no: Normally open
nc: Normally closed

Warning: Connect Humidity/Temperature sensor while power is off. Pay attention to the cable color codes printed on the device label. Wrong connection may result permanent device/sensor failure.

Dimensions:



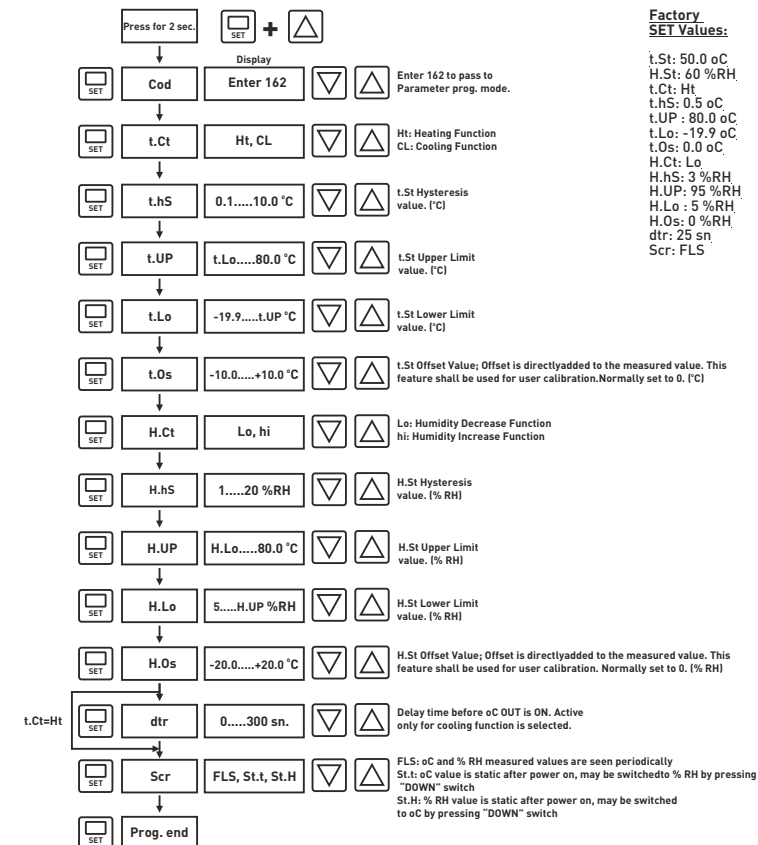
Technical Specification

- Panel Cut-out : 29x71mm
- Display : 3 Digits 7 Segment
- Sensor Type : Custom Sensor
- Measuring Scale : -19.9.....+80.0 °C, 5%RH.....95%RH
- Resolution : ±0.1 °C, ±0.1 %RH
- Accuracy : ± %1 (°C), ± %3 (%RH); [Over full scale]
- Control Form : ON-OFF
- °C Output : Relay (NO + NC), 250VAC, 2A, Resistive load
- %RH Output : Relay (NO), 250VAC, 2A, Resistive load
- Heating / Cooling : Ht (heating), CL (cooling); selectable
- Humidity Function : lo (decrease humidity), hi (increase humidity); selectable
- Heat Hysteresis : 0.1.....10.0 °C (T.hs)
- Hum. Hysteresis : 1.....20.0 %RH (H.hs)
- Heat Offset : -10.0.....+10.0 °C (t.Os)
- Humidity Offset : -20.....+20 %RH (H.Os)
- Supply Voltage : 100.....240VAC, 50/60Hz
- Power Consump. : < 6VA
- Operation Temp. : -20 °C.....55 °C
- Altitude : < 2000m

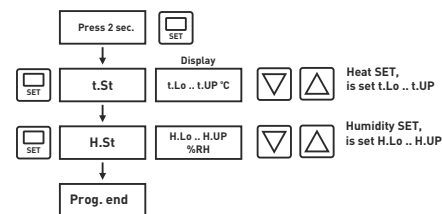
Error Message:

- Err : In case of measurement failure, "Err" message displayed and Relay outputs become OFF

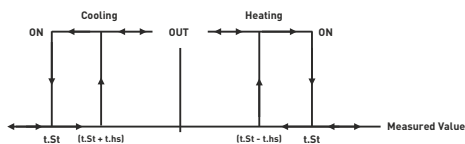
Programming Other Parameters:



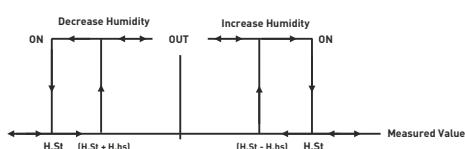
Programing Heat Set and Humidity Set:



Heating/Cooling Output:



Humidity Control Output:



Err: In case of measurement failure, "Err" message displayed and Relay outputs become OFF.