SCTHD

Switchgear Compartment Temp. Humidity Intelligent Control Device

Description

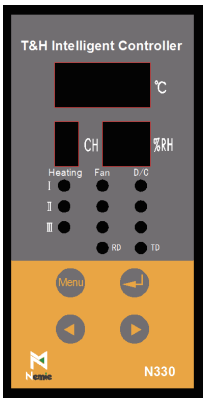
The N330 Switchgear Compartment Humidity and Temp. monitor device adopts advance performance sensors equipped with program control technology. N330 can monitor and control three compartments (Breaker, cable and busbar). User interface design enables automatic on/off adjustment of heater and fan. All data collection connect through RS-485 to platform. N330 has better temperature control and operate in the harsh environment. For example: Strong field, magnetic, humidity, low temp. etc.. It could prevent any kinds of accidents happening such as low temp., creeping and flashover to increase safety.

Operation Theory

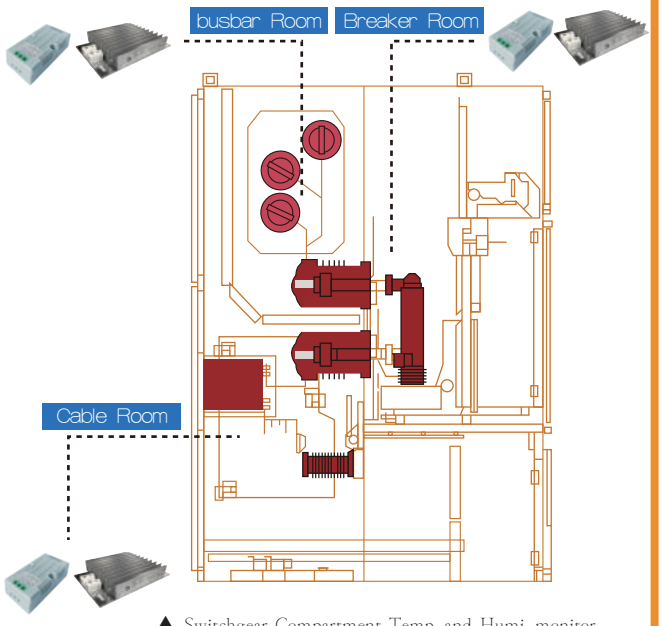
N330 type adopts temp. and humi. compartments monitor. LED display temp. and humi. value, heater contact, overload offline alarm, sensor breakdown indication, RS-485 communication functions etc.. Users can press any buttons to set temp., humi. max. & min. cycle display and parameter to meet unattended surveillance requirement.

Product Characteristic

(1) Adopt digit temp. and humi. sensors, precise measurement
(2) Each measurement has two control contacts to connect with heater and fan
(3) With number setting, users can control and set parameters easily.
(4) Do not need to reset after power off, data stores permanently
(5) Strong anti-Electromagnetic interference
(6) Password protection (Preset password : 0000)
(7) Equip with RS485 Modbus RTU protocol. Provide remote monitor
(8) Cloud APP monitoring system to receive temp. and humi. information



Specification	
Type	N330
Number of Temp. & Humi. Sensor	1~3max.
Number of Heater	1~3max.
Number of Fan	1~3max.
Temp. Display	-40 ~ 70℃ ±1℃
Humi. Display	18 ~ 98%RH ±3%RH
Temp. rise set range	-10 ~ 15℃
Exhaust temp. set range	25 ~ 65℃
Humidity Control	65~95%
Contact Capacity	AC 250V/5A
Communication Protocol	RS485 Modbus-RTU
Power Supply	AC/DC 85 ~ 270V
Power Consumption	≤5W
Diaelectric Test	2kV/1min
Environment Temp.	-10~55℃
Environment Humidity	≤95%RH



▲ Switchgear Compartment Temp. and Humi. monitor

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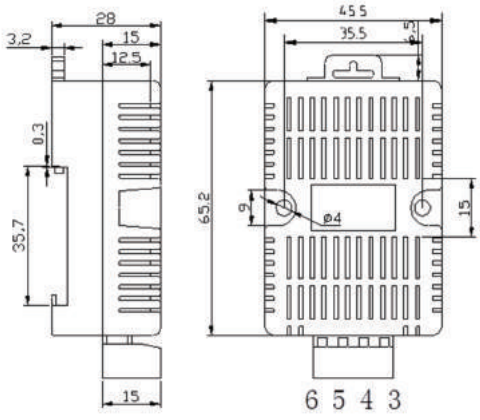
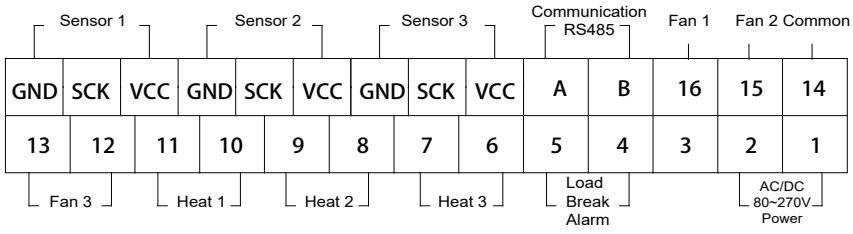
Exterior Appearance and wire connection

1 Sensor size and install :



2 Connect illustration :

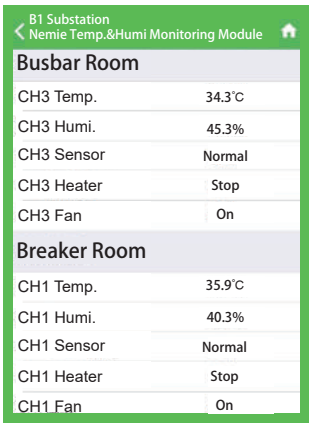


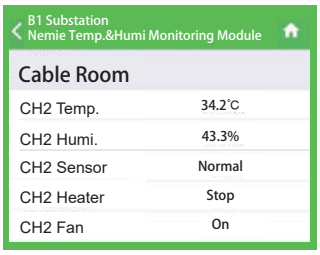
Install 1 Fix DIN 35 track

Install 2 Fix M4 Screw

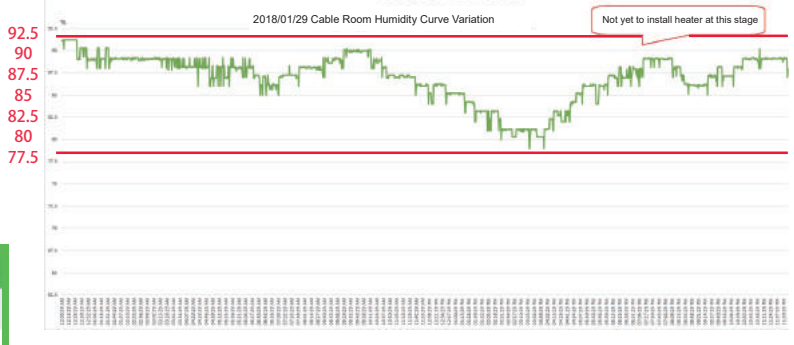
3 Display controller and installation size :

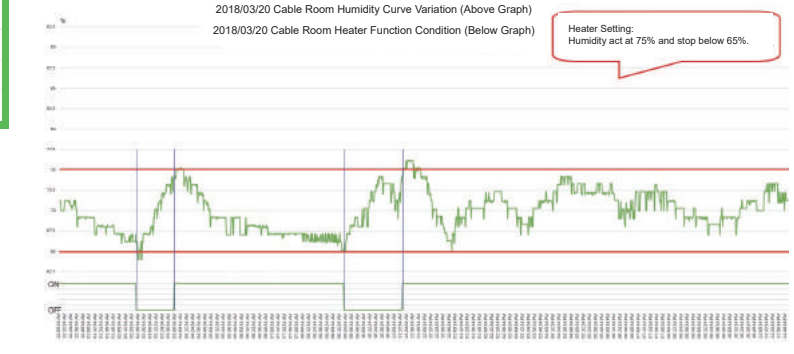
TYPE	Panel Size (mm)	Hole Size (mm)	Depth (mm)
N330	60 x 120	55 x 115	142





4 Operation Performance :





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