

VISION TOUCH THR

CAPACITIVE TOUCH control for humidity and temperature management with all seasoning functions. It offers a smart TFT 7" display equipped with a capacitive touch screen, state-of-the-art software and an advanced interface for easy and intuitive use.



APPLICATIONS

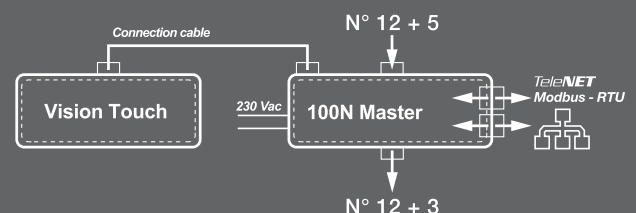
- Seasoning/drying rooms.
- Storage rooms with or without humidity control.
- Climatic rooms for humidostatic tests, temperature and climatic cycles.

MAIN CHARACTERISTICS

- Web server for remote access.
- Datalogger function.
- TFT 7" high definition display (800x480 WVGA), led backlighting and capacitive touch screen.
- Front with 1,1 mm chemically treated glass.
- Ability to reverse the viewing angle of the display to ensure the possibility of mounting at any height.
- Devices: USB 2.0, microSD, RS485, Ethernet.
- Acoustic signals.
- IP65 frontal protection.
- Light sensor for the automatic regulation of brilliance.
- High quality design and icons.
- Touch screen interface with gestures, for a more intuitive control.
- Clock and calendar (RTC).
- Different password for user and installer function.
- Multilanguage.
- Customizable user parameters menu (it allows to hide the functions not used, simplifying the menu).
- Contextual help in parameters configuration menu.
- Software updating from microSD or USB.
- Alarm register with popup advice messages.
- Advanced HACCP function with detailed temperature and humidity alarms memorization.
- 20 programmes completely customizable can be memorized on the equipment.
- Possibility of exporting and importing programmes and parameters on USB or microSD supports.
- Automatical management of 21 functions for each programme.
- Manual or automatical functioning with selected programme execution.

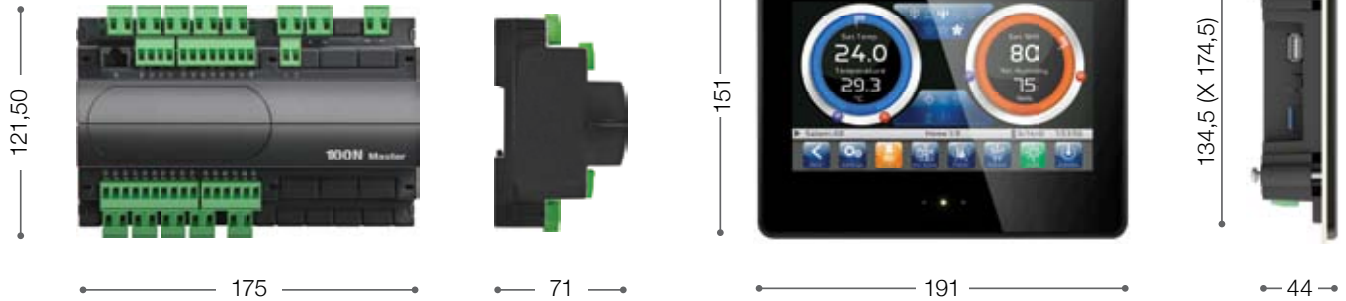
- Possibility of forcing a manual skipping phase during the execution of a programme.
- Possibility of setting the execution modality at the end of an automatic programme such as: maintenance / cyclical / stand by (for this last one you have also the possibility of activating the alarm of programme finished).
- Diagram of the programme in execution with different progresses (phases already executed, phases in execution and phases to be executed) and representation of all the setted values and all the remaining times.
- Temperature regulation range: $-45\text{ }^{\circ}\text{C} \div +99\text{ }^{\circ}\text{C}$; humidity regulation range: 0-100 R.H.%
- Heat and humidity can be excluded to manage storage cells with defrost activation.
- Dehumidifying programme with cold / hot / independent free voltage contact.
- Functions management: temperature (hot/cold) and humidity (humidifying/dehumidifying) regulation; defrosting (electrical or hot gas); refreshment; dripping; programmed or automatic air exchanges with energy saving function and external temperature/humidity probes reading; modular valves hot/cold water management; essence input in automatic programs management; evaporator fans speed management (digital outputs slow/fast or with 0-10 V signal); possibility of activate internal air re-circles for destratification.
- "Test center" mood for verifying in simple and intuitive way all the digital and analogical inputs/outputs.
- Serial RS485 connection with TeleNET or Modbus protocol selectable by parameter.

CONNECTION DIAGRAM





100N MASTER 3



TECHNICAL CHARACTERISTICS	VISION TOUCH
DIMENSION	100N MASTER: 175 x 121,50 x 71 mm VISION TOUCH: 191 x 151 x 44 mm
WEIGHT	1 kg
PROTECTION RATING	IP65 (CONTROL)
POWER SUPPLY	MASTER: 110-230 V AC $\pm 10\%$ 50-60 Hz VISION TOUCH: 12 - 40 V DC + 10/-15% CLASSE 2 12 - 24 V AC + 10/-15% 15VA (POSSIBILITY OF DERIVING THE SUPPLYING FROM THE MASTER)
LOAD TYPE	SINGLEPHASE
WORKING TEMPERATURE	-5 \div +50 °C
STORAGE TEMPERATURE	-10 \div +70 °C
RELATIVE AMBIENT HUMIDITY	< 90% RH
STATUS INDICATOR	DISPLAY TFT TOUCH CAPACITIVE 7"
ALARM SIGNALS	DISPLAY + BUZZER + RELÈ

VISION TOUCH DISPLAY CHARACTERISTICS	
DIMENSION	191 x 151 x 44 mm
TOUCH TECHNOLOGY	CAPACITIVE, SINGLE-TOUCH
DISPLAY	TFT-LCD 7"
DEFINITION	800X480 WGA
BACK-LIGHTING	LED
COLOURS	16.7 MILLIONS
BRILLIANCE	350 CD/m ² TYP.
CONTRAST	500 TYP.
FONT TRUE TYPE	YES
MULTILANGUAGE	YES
ALARM, HISTORY, PASSWORD	YES
HARDWARE REAL TIME CLOCK	YES
DEVICES	USB 2.0 / MEMORY CARD MICROSD / RS485 / ETHERNET
BUZZER	YES
SIGNALLING LED	2 (FRONTALS)
LIGHT SENSOR	YES (FRONTAL)
MATERIAL	CONTAINER: SELF-EXTINGUISHING ABS FRONT: 1,1 mm CHEMICALLY TREATED GLASS.
ACCESSORIES	
ACCESSORIES AVAILABLE	COPL24II ACCFLTOUCH SONEE16F6A21

100N MASTER 3 CHARACTERISTICS	
ANALOGICAL INPUTS	5 CONFIGURABLE AS: (NTC) TEMPERATURE AMBIENCE, (NTC) TEMPERATURE PROBES FINISHED DEFROST, (4-20 mA) EXTERNAL HUMIDITY, (NTC) EXTERNAL TEMPERATURE, (4-20 mA) AMBIENT HUMIDITY, (NTC) HOT WATER TEMPERATURE, (NTC) COLD WATER TEMPERATURE.
DIGITAL INPUTS	12 CONFIGURABLE AS: MICRO DOOR; REMOTE STAND-BY; REMOTE DISABLING HUMIDITY; REMOTE DISABLING HOT; GENERAL ALARM; ALARM MAN IN COLD ROOM.
OUTPUTS RELAY	12 (N.1 30 A AC1 /N.11 16 A AC1) CONFIGURABLE AS: HOT, COLD, HUMIDIFYING, DEHUMIDIFYING, AIR EXCHANGING SHUTTER, EVAPORATOR FANS HIGH SPEED, EVAPORATOR FANS LOW SPEED, ALARM, ESSENCE, ROOM LIGHT, REFRESHMENT, FINISHED PROGRAMME ADVISE.
ANALOGICAL OUTPUTS	3 (0-10 V) CONFIGURABLE AS: SPEED EVAPORATOR FANS, MODULAR HOT WATER VALVE, MODULAR COLD WATER VALVE, HUMIDIFIER REGULATION.