VISION TOUCH AB

CAPACITIVE TOUCH control designed for the management of quick-refrigeration systems and deep freezers. It is possible to set different timed or product core temperature-based quick-refrigeration programs, execute positive or negative temperature quick-refrigeration and apply timed or temperature-based deep- freezing and mixed programs.

APPLICATIONS

- Cabinets and quick-refrigeration rooms (positive / negative temperature).
- Product deep-freezing.

MAIN CHARACTERISTICS

- Web server for remote access.
- Datalogger function.
- Timed or temperature-based quick-refrigeration.
- Timed or temperature-based deep-freezing.
- Mixed quick-refrigeration/deep-freezing function.
- Storage with electrical defrost.
- Min. and max. temperature limits for the final user.
- Activation of fans to de-layer the air.
- Defrosts in real time clock mode.
- Manages automatic retarding programs that can be customised, consisting of a maximum of 3 steps.
- Possibility of enabling a warning for the end of program.
- Store up to 20 programs in the internal memory with the option of exporting them to a USB or microSD.
- Diagram of the program in execution with progress display (completed phases, phases in progress and phases yet to be executed) and a representation of the set values and of all the remaining times.

- Touch screen interface with gestures, for a more intuitive control.
- Clock and calendar (RTC).
- Different password for user and installator function.
- Multilanguage.
- Customizable user parameters menu (it allows to hide the functions not used, semplifying the menu).
- Contextual help in parameters configuration menu.
- Software updating from microSD or USB.
- Ability to export and import parameters on USB or microSD media.
- Alarm history combined with popup warning messages.
- Advanced HACCP function with detailed temperature and humidity alarms memorization.
- "Test center" mood for verifying in simple and intuitive way all the digital and analogical inputs/outputs.
- RS485 serial connection with TeleNET or Modbus protocol which can be selected in the parameters.
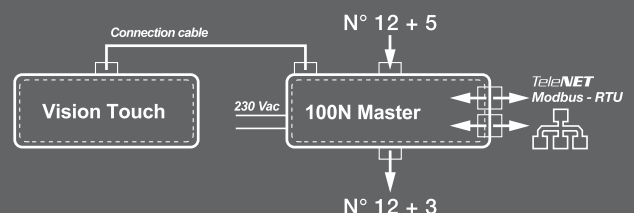
ACCESSORIES

- ACCFLTOUCH: wall-mounting accessory with spring insertion.
- COPL24II: protection in transparent polycarbonate IP65.

GENERAL CHARACTERISTICS

- TFT 7'' high definition dysplay (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.
- Acustic signals.
- IP65 frontal protection.
- High quality design and icons.
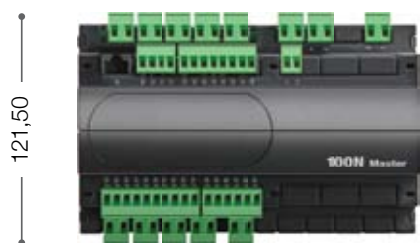
CONNECTION DIAGRAM

Connection cable

N° 12 + 5

Vision Touch

230 Vac

100N Master

TeleNET
Modbus - RTU

N° 12 + 3

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 ±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 ÷ +50 °C
STORAGE TEMPERATURE	-10 ÷ +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/m² 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 I ACCFLTOUCH

100N MASTER 3 CHARACTERISTICS	
ANALOGICAL INPUTS	5 CONFIGURABLE AS: (NTC) TEMPERATURE AMBIENCE, (NTC) TEMPERATURE PROBES FINISHED DEFROST, (NTC) TEMPERATURE PIERCING PROBES.
DIGITAL INPUTS	12 CONFIGURABLE AS: MICRO DOOR; REMOTE STAND-BY; GENERAL ALARM; COMPRESSOR SAFEGUARD; FAN SAFEGUARD; GENERIC WARNING 1, 2 AND 3; HIGH/LOW PRESSURE; START/STOP DEFROST; MAN IN COLD ROOM ALARM.
OUTPUTS RELAY	12 (N.1 30 A AC1 /N.11 16 A AC1) CONFIGURABLE AS: COLD, DEFROSTING, EVAPORATOR FANS HIGH SPEED, EVAPORATOR FANS LOW SPEED, ALARM, ROOM LIGHT, FINISHED PROGRAMME ADVISE.
ANALOGICAL OUTPUTS	3 (0-10 V) CONFIGURABLE AS: SPEED EVAPORATOR FANS.