

PLUS200 EXPERT THR

Single-phase electrical panel with control of temperature and humidity for single-phase compressor up to 2 HP and electrical heaters for hot.

Differential magnetothermal circuit breaker protection accessible from the front panel added to an innovative form makes this panel a perfect and functional choice to provide safety, protection, control of temperature and humidity with specific seasoning functions. Programming up to five recipes, of seven phases each, settable and customizable. Included all the function of VISION THR controller.



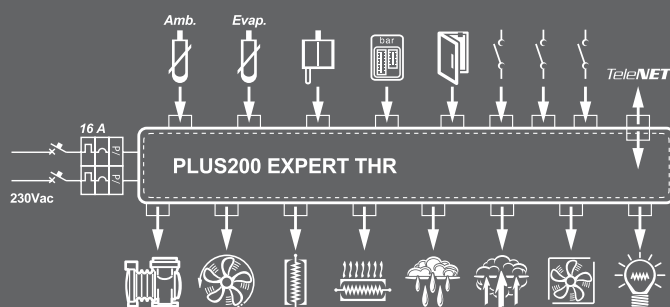
APPLICATIONS

- Seasoning/drying rooms.
- Germination rooms with day/night phases.
- Storage rooms with or without humidity control.

MAIN CHARACTERISTICS

- Built-in circuit breaker protecting and isolating unit housed below transparent door with IP65 protection.
- Control electronics with large backlit LCD and user-friendly keypad.
- Time and date clock.
- Manual or automatic operation.
- Up to a maximum of 5 fully custom-made recipes.
- Automatic management of 7 phases for each recipe.
- Simple programming and selection of set recipes.
- Possibility of uniting more than one recipe to go beyond the limit of 7 phases.
- Possibility of excluding heat and humidity to manage storage room alone activating defrosting.
- Temperature with decimal point.
- Password for key locking.
- Day/night cycle for germination plants with double temperature set-point.
- Simple wiring.
- RS485 for connection to TeleNET industrial supervision network.

CONNECTION DIAGRAMS





TECHNICAL CHARACTERISTICS	PLUS 200 EXPERT THR
DIMENSIONS	263 x 180 x 96 mm
WEIGHT	1 kg
PROTECTION RATING	IP65
POWER SUPPLY	230 V AC $\pm 10\%$ 50-60 Hz
LOAD TYPE	SINGLE-PHASE
WORKING TEMPERATURE	-5 \div +50 $^{\circ}\text{C}$
STORAGE TEMPERATURE	-10 \div +70 $^{\circ}\text{C}$
RELATIVE AMBIENT HUMIDITY	30% - 90% RH WITHOUT CONDENSATE
READING RANGE	-45 \div +45 $^{\circ}\text{C}$
CONTROL	PEGO THR (INTEGRATED)
STATUS INDICATORS	DISPLAY LCD WITH BACKLIGHT
ALARM SIGNALS	DISPLAY + BUZZER
GENERAL ELECTRIC PROTECTION	
BIPOLAR DIFFERENTIAL MAGNETOTHERMIC CIRCUIT BREAKER	16 A ID=300 mA SWITCHING POWER 4,5 kA
INPUTS	
AMBIENT PROBE	NTC 10 k Ω
EVAPORATOR PROBE	NTC 10 k Ω
HUMIDITY PROBE	4 \div 20 mA (0 \div 100% RH)
OVERLOAD PROTECTION	PRESENT
DOOR SWITCH	PRESENT
OUTPUTS	
COMPRESSOR	1500 W (2HP)
EVAPORATOR FANS	500 W
DEFROSTING HEATERS	1500 W
HOT HEATERS	1500 W
ENABLE HUMIDIFIERS	500 W
ENABLE DEHUMIDIFIERS	500 W
AIR CHANGE	500 W
PAUSE	500 W
ROOM LIGHT	800 W (AC1)
ALARM RELAY	PRESENT
SUPERVISION SYSTEM	TELENET