

PLUS300 EXPERT U THR

Three-phase electrical panel for temperature and humidity control for evaporating unit with electrical heaters for hot. To match with a compressor rack or a remote condensing unit. Magnetothermic 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.



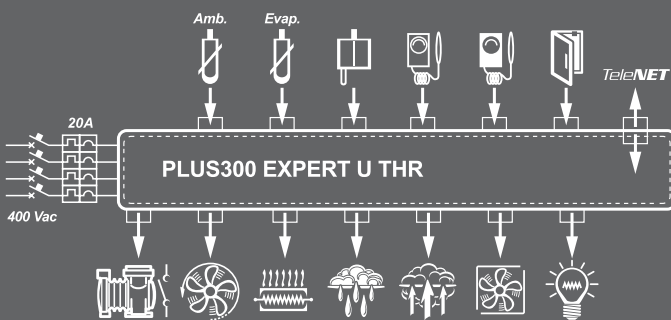
APPLICATIONS

- Management of the evaporating unit alone for seasoning/drying rooms.
- Management of the evaporating unit alone for germination rooms with day/night phases.
- Management of the evaporating unit alone for storage rooms with or without humidity control.

MAIN CHARACTERISTICS

- Transparent cover for access to all the protections, all with IP65 protection rating.
- Magnetothermic circuit breaker accessible from the front panel, which cuts the general power supply.
- Backlit LCD display.
- 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 (first dripping phase, last seasoning/storage). 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.
- Dehumidifying programming with cold or hot call.
- RS485 for connection to TeleNET industrial supervision network.

CONNECTION DIAGRAMS





TECHNICAL CHARACTERISTICS	PLUS 300 EXPERT U THR
DIMENSIONS	400 x 300 x 135 mm
WEIGHT	6 kg
PROTECTION RATING	IP65
POWER SUPPLY	400 V AC $\pm 10\%$ 50-60 Hz
LOAD TYPE	THREE-PHASE
WORKING TEMPERATURE	-5 \div +50 °C
STORAGE TEMPERATURE	-10 \div +70 °C
RELATIVE AMBIENT HUMIDITY	30% - 90% RH WITHOUT CONDENSATE
RANGE OF READING	-45 \div +45 °C
CONTROL	PEGO THR (INTEGRATED)
STATUS INDICATORS	DISPLAY LCD WITH BACKLIGHT
MAIN SWITCH GENERAL PROTECTION	4 POLES MAGNETOTHERMIC 20 A
INPUTS	
AMBIENT PROBE	NTC 10 k Ω
EVAPORATOR PROBE	NTC 10 k Ω
HUMIDITY PROBE	4 \div 20 mA (0 \div 100% RH)
DOOR SWITCH	PRESENT
MIN. TEMPERATURE SENSOR	PRESENT
MAX TEMPERATURE SENSOR	PRESENT
OUTPUTS	
ENABLE CONDENSING UNIT	PRESENT
EVAPORATOR FANS	800 W (1PH)
DEFROST	OFF CYCLE
HOT HEATERS	7500 W (AC1)
ENABLE HUMIDIFIERS	PRESENT
ENABLE DEHUMIDIFIERS	PRESENT
AIR CHANGE	PRESENT
PAUSE	PRESENT
ROOM LIGHT	PRESENT
ALARM RELAY	PRESENT
SUPERVISION SYSTEM	TELENET