

# PLUS200 2PLT

Electronic control for double system management with the possibility of inserting an environment secondary probe to ensure the proper operation of the system in case of environment main probe failure. Can manage up to two compressors and two evaporators, operating in call rotation mode (for even utilisation) or with a double set-point.

Defrosts can be executed in real time clock mode.

Version with 100Master and remote telephone lead-connected keyboard/display.



## APPLICATIONS

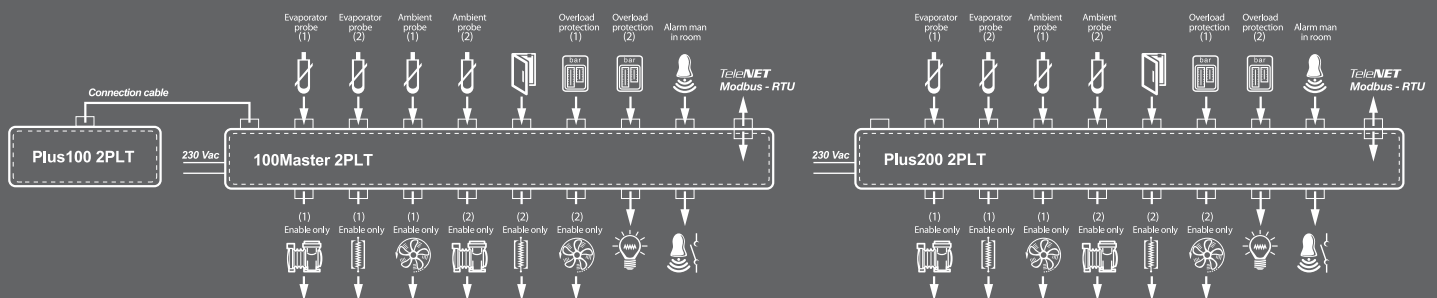
- Low temperature rooms with double safety system.
- Room with single motor condenser unit and double evaporator.

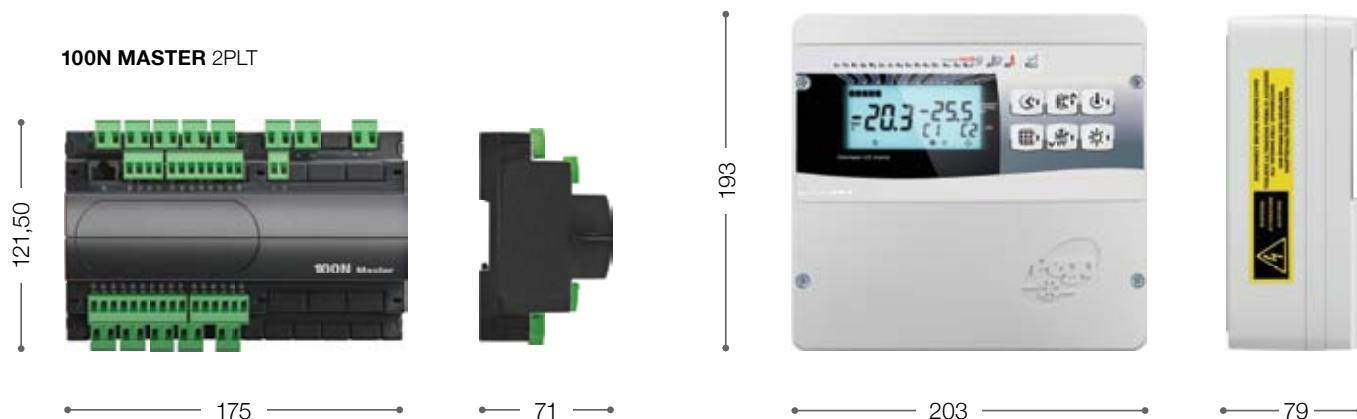
## MAIN CHARACTERISTICS

- Single or double environment security probe.
- Single set-point with 2-system control and delayed start of second system, compressor rotation.
- Double set-point for gradual application of refrigeration power.
- Real time clock defrosts with one or two evaporators, each with end-of-defrost sensor.

- Display of ambient temperature, evaporator temperature, systems status.
- The Plus200 2PLT electronic controller allows complete control of all the units on a double-system refrigeration plant.
- Control of up to two compressors, double evaporator (fans and defrost elements) and room light.
- Double evaporator control occurs separately with double end-of-defrost sensor.
- Safety devices for the two systems are separate and room light can be controlled by door switch.
- Alarm relay fitted as standard.

## CONNECTION DIAGRAMS

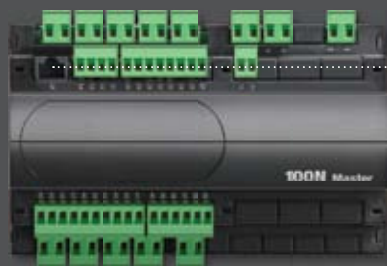




TECHNICAL CHARACTERISTICS	PLUS100 2PLT	PLUS200 2PLT
<b>DIMENSIONS</b>	100N MASTER 2PLT: 175 x 121,50 x 71 mm PLUS100 2PLT: 203 x 193 x 79 mm	203 x 193 x 79 mm
<b>WEIGHT</b>	1 kg	1 kg
<b>PROTECTION RATING</b>	IP65 (KEYBOARD/DISPLAY)	IP65
<b>POWER SUPPLY</b>	230 V AC $\pm 10\%$ 50-60 Hz	230 V AC $\pm 10\%$ 50-60 Hz
<b>LOAD TYPE</b>	SINGLE-PHASE	SINGLE-PHASE
<b>WORKING TEMPERATURE</b>	-5 $\div$ +50 $^{\circ}\text{C}$	-5 $\div$ +50 $^{\circ}\text{C}$
<b>STORAGE TEMPERATURE</b>	-10 $\div$ +70 $^{\circ}\text{C}$	-10 $\div$ +70 $^{\circ}\text{C}$
<b>RELATIVE AMBIENT HUMIDITY</b>	< 90% RH	< 90% RH
<b>RANGE OF READING</b>	-45 $\div$ +99 $^{\circ}\text{C}$	-45 $\div$ +99 $^{\circ}\text{C}$
<b>DEFROSTING</b>	ELECTRICAL	ELECTRICAL
<b>STATUS INDICATORS</b>	DISPLAY LCD WITH BACKLIGHT	DISPLAY LCD WITH BACKLIGHT
<b>ALARM SIGNALS</b>	DISPLAY + BUZZER	DISPLAY + BUZZER
<b>INPUTS</b>		
<b>AMBIENT PROBE 1</b>	NTC 10 k $\Omega$	NTC 10 k $\Omega$
<b>AMBIENT PROBE 2</b>	NTC 10 k $\Omega$	NTC 10 k $\Omega$
<b>EVAPORATOR PROBE 1</b>	NTC 10 k $\Omega$	NTC 10 k $\Omega$
<b>EVAPORATOR PROBE 2</b>	NTC 10 k $\Omega$	NTC 10 k $\Omega$
<b>COMPRESSOR PROTECTION 1</b>	PRESENT	PRESENT
<b>COMPRESSOR PROTECTION 2</b>	PRESENT	PRESENT
<b>MAN IN COLD-ROOM ALARM</b>	PRESENT	PRESENT
<b>DOOR SWITCH</b>	PRESENT	PRESENT
<b>OUTPUTS</b>		
<b>COMPRESSOR 1</b>	1500 W (2HP)	750 W (1HP)
<b>COMPRESSOR 2</b>	750 W (1HP)	750 W (1HP)
<b>DEFROST 1</b>	1500 W (AC1)	1500 W (AC1)
<b>DEFROST 2</b>	1500 W (AC1)	1500 W (AC1)
<b>EVAPORATOR FANS 1</b>	500 W	500 W
<b>EVAPORATOR FANS 2</b>	500 W	500 W
<b>ROOM LIGHT</b>	800 W (AC1)	800 W (AC1)
<b>ALARM RELAY / AUX</b>	PRESENT	PRESENT
<b>SUPERVISION SYSTEM</b>	TELENET / MODBUS-RTU	TELENET / MODBUS-RTU

Available also version 100N Master and remote telephone lead-connected keyboard/display.

100N MASTER 2PLT



PHONE LEAD

PLUS100 2PLT

