

PLUS100 AB

Electronic control unit 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.

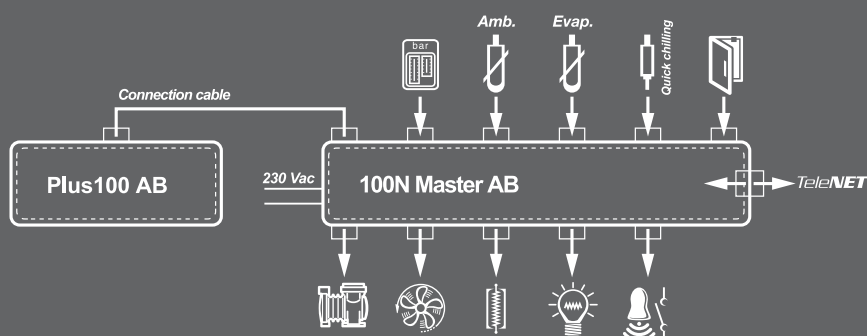
FUNCTIONS

- 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.

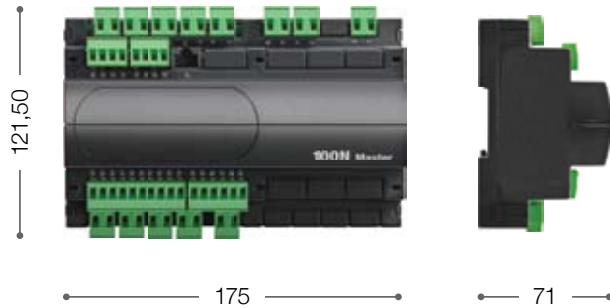
MAIN CHARACTERISTICS

- The Plus100 AB electronic controller allows complete management of all the components on a refrigeration plant such as the compressor, evaporator fans, defrosting elements and room light.
- The LCD screen shows cold room and product core temperatures simultaneously.
- Where time-based programs are used the clock field shows the remaining time.
- Compressor control during quick-refrigeration is optimised to ensure that quick-refrigeration of the product occurs under the best possible conditions.

CONNECTION DIAGRAM



100N MASTER AB



PLUS100 AB

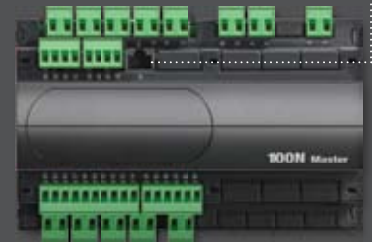


TECHNICAL CHARACTERISTICS	PLUS100 AB
DIMENSIONS	100N MASTER AB: 175 x 121,50 x 71 mm PLUS100 AB: 210 x 110 x 35 mm
WEIGHT	1 kg
PROTECTION RATING	IP55 (KEYBOARD/DISPLAY)
POWER SUPPLY	230 V AC $\pm 10\%$ 50-60 Hz
LOAD TYPE	SINGLE-PHASE
WORKING TEMPERATURE	-5 \div +50 °C
STORAGE TEMPERATURE	-10 \div +70 °C
RELATIVE AMBIENT HUMIDITY	< 90% RH
STATUS INDICATORS	DISPLAY LCD WITH BACKLIGHT
ALARM SIGNALS	DISPLAY + BUZZER
INPUTS	
AMBIENT PROBE	NTC 10 k Ω
EVAPORATOR PROBE	NTC 10 k Ω
FOOD PROBE	NTC 10 k Ω
OVERLOAD PROTECTION	PRESENT
FANS PROTECTION	PRESENT
DOOR SWITCH	PRESENT
OUTPUTS	
COMPRESSOR	1500 W (2HP)
EVAPORATOR FANS	500 W
DEFROSTING HEATERS	1500 W (AC1)
ROOM LIGHT	800 W (AC1)
ALARM RELAY	PRESENT
SUPERVISION SYSTEM	TELENET

PLUS100 AB



100N MASTER AB



PHONE LEAD