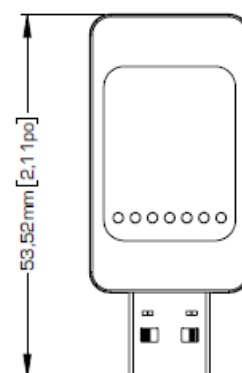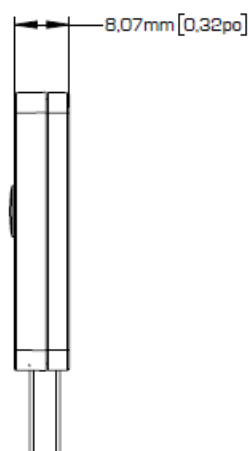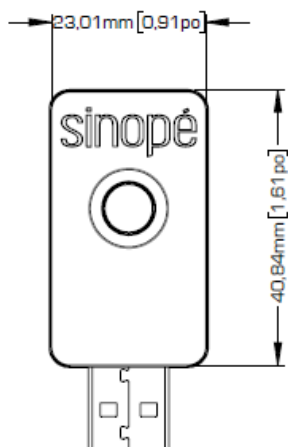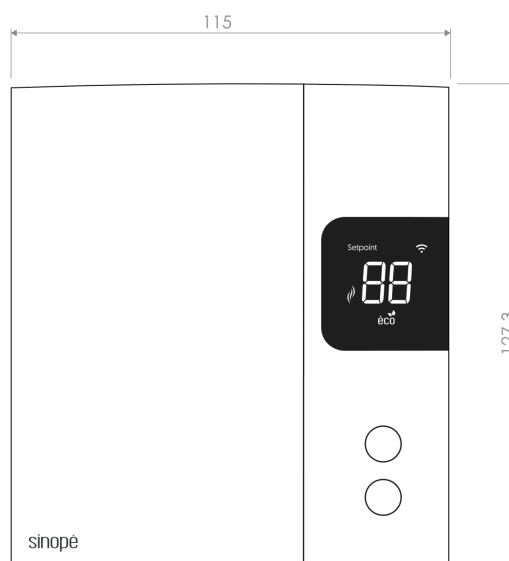## Local Interlocking Kit for Heat Pump

No Internet connection required

Wi-Fi

HP6000WF-MA-K2

Version for heat pumps manufactured by MIDEA (with Sinopé HP6000WF-MA interface)

*Validate heat pump models compatible with interfaces

Smart thermostat Lite for electric heating

Submittal data sheet multi-residential rental - Local interlocking kit - V1

sinopé

Specifications for the kit

Type
- Turnkey solution for single-zone ductless heat pumps that prevents simultaneous activation of electric heating and air-conditioning in the same zone
  - Multi-zone and ducted expansion available on request

Internet connection
- Not required

Communication
- Protocol: Wi-Fi
- Standard: IEEE 802.11 b/g/n
- Frequency: 2.4 GHz
- Encryption key: WPA2

Devices
- Kit includes:
  - 1 x Wi-Fi thermostat for electric heating (TH1134WF)
  - 1 x Wi-Fi interface for compatible* HP6000WF-MA ductless heat pump
- Devices pre-associated together and factory pre-programmed by Sinopé Technologies
- Devices in the kit must not be sold separately
- Devices all have the same reference number (one number per factory-pre-associated set)

How it works
- Heat pump control:
  - The user uses the heat pump's remote control.
- Wi-Fi communication between devices:
  - The TH1134WF thermostat connects to the HP6000WF-MA's secure Wi-Fi network.
  - The HP6000WF interface, connected to the heat pump, transmits its status over its network.
  - The TH1134WF thermostat reads the HP6000WF-MA status transmitted over the network.
- Device coordination:
  - When the heat pump is in cooling or automatic mode, the thermostat automatically stops its heating.
  - In heating, fan or OFF mode, the thermostat can activate heating without interfering with the heat pump.

Specific scenarios
- Loss of communication or malfunction:
  - If there is a problem with the HP6000WF interface or the heat pump for more than 30 minutes, the thermostat will start heating again.
- Thermostat display in cooling mode:
  - If the heat pump is in cooling mode and the user cannot interact with the thermostat, the display shows "IL" when the user attempts to change the setpoint. This indicates

that heating is deactivated.

Evolutivity	• If the user connects the HP6000WF-MA and TH1134WF to the Internet and creates an account on Sinopé's Neviweb application (residential user) or on the Sinopé Smart Systems platform (commercial user who must contact a Sinopé representative beforehand):
	  ○ Interlock settings are retained.
	  ○ The user can add other Sinopé devices.

*Validate [heat pump models compatible](#) with interfaces

Specifications for the Wi-Fi ductless heat pump interface

Type	• Interface for Midea-manufactured and compatible heat pump/air conditioner mini splits*
Transmitter module	• IC: 21098-ESPC6WROOM1 • FCC ID: 2AC7Z-ESPC6WROOM1
Power supply	• Via heat pump / air conditioner indoor unit's communication port
Temperature range	• Operating: 0 °C to 40 °C (32 °F to 104 °F) • Storage: -20 °C to 50 °C (-4 °F to 122 °F)
Installation	• Connect the interface directly to the indoor unit's USB communication port (see "Installation diagrams" below). ○ USB type A port
Compatible devices	• Heat pumps and air conditioners mini splits with compatible communication port ([see compatible heat pump](#))
Control (if connected to Internet)**	• Modes: Cooling, heating, dry, fan and OFF • Adjusting the orientation of heat pump shutters • Adjusting the ventilation intensity • Activate or deactivate the display on the indoor unit of the heat pump • Setpoint control
Certifications	• Complies with FCC15 & NMB-0003
Warranty	• 3 years

*Validate [heat pump models compatible](#) with interfaces

**Feature available on models that allow this function

Specifications for the smart Wi-Fi thermostat

Type	• Smart thermostat • TRIAC switching
Transmitter module	• FCC ID: 2AC7Z-ESPC6WROOM1 • IC: ESP32-C6-WROOM-1
Power supply	• 120/208/240 Vac, 60 Hz
Puissance	Maximum load (resistive load only) • 16.7 A / 4000 W @ 240 Vac • 16.7 A / 2000 W @ 120 Vac Minimum load (baseboard, convector & radiant ceiling) • 2 A / 500 W @ 240 Vac • 2 A / 250 W @ 120 Vac Minimum load (fan-forced convector) • 4.16 A / 1000 W @ 240 Vac • 4.16 A / 500 W @ 120 Vac • One fan-forced convector per thermostat can be connected
Control	• 15-minute cycle (fan-forced) or 15-second cycle (convector) • Device resolution: 0.5ºC (1ºF). • Display resolution: 1ºC (2ºF). • Accuracy: ± 0.15ºC (0.27ºF) for 15-second cycles • Accuracy: ± 0.5 ºC (1 ºF) for 10-minute cycles
Temperature range	• Setting: 5 ºC to 30 ºC (41 ºF to 86 ºF) • Display: 0 ºC to 50 ºC (32 ºF to 99 ºF) • Operation: 0 ºC to 50 ºC (32 ºF to 122 ºF) • Storage: -20 ºC to 50 ºC (-4 ºF to 122 ºF)
Display	• Digital display with black backlighting • Fan-forced convector mode and keypad lock display (when activated) • Temperature display format (ºC or ºF)
Installation	• 3-wire thermostat - compatible with 4-wire systems

Compatible heating devices

- Electric baseboard
- Convector
- Fan-forced convector
- Radiant ceiling

Features (if connected to Internet)

- If you are a homeowner, you will use the Sinopé Neviweb application.
- In the case of a renting user, he will have to contact his manager. The latter should contact a Sinopé representative to integrate the devices into the Sinopé Smart Systems commercial platform.
- Lockable buttons
- Customizable minimum and maximum temperatures available for thermostat control
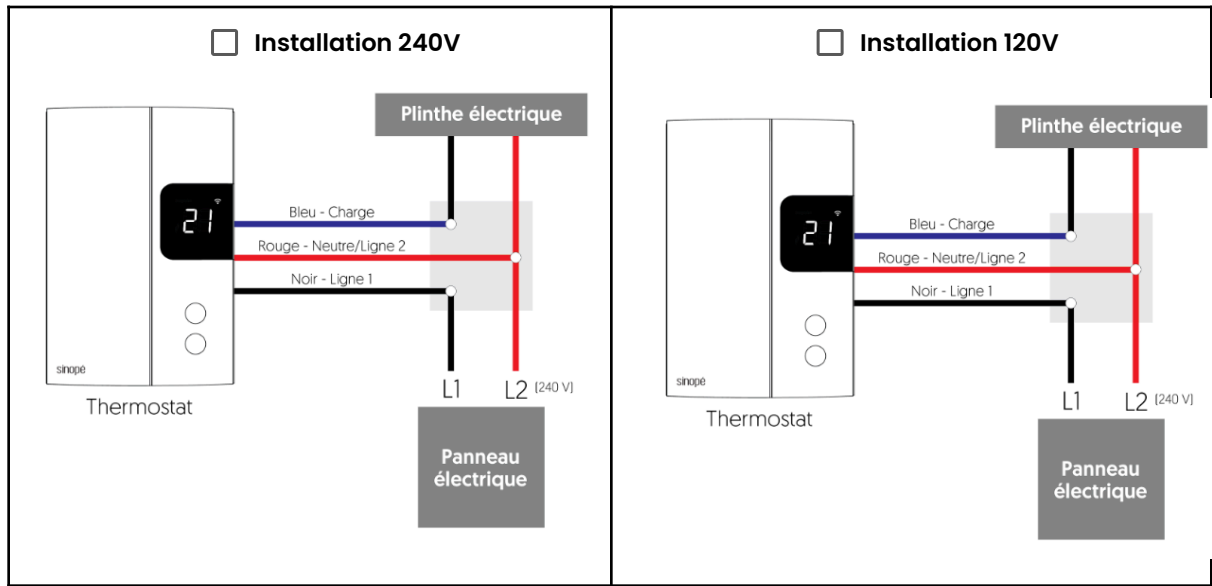- Schedule programming

Certifications

- Tested in compliance with CSA-C828-19
- Complies with standards
  - CAN/CSA STD 22.2 nos,
  - E60730-1-5 & E60730-2-9,
  - FCC CFR 47 Title 15 Class B,
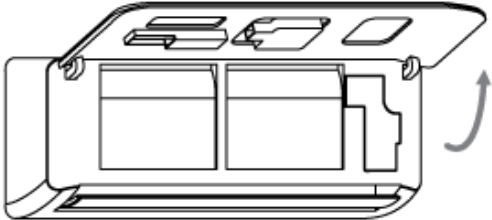 - CAN ICES-3(B)/NMB-3(B)

Warranty

- 3 years

Installation diagrams - Thermostat

Installation 240V

Plinthe électrique

21

Bleu - Charge
Rouge - Neutre/Ligne 2
Noir - Ligne 1

Thermostat

L1   L2 [240 V]

Panneau
électrique

Installation 120V

Plinthe électrique

21

Bleu - Charge
Rouge - Neutre/Ligne 2
Noir - Ligne 1

Thermostat
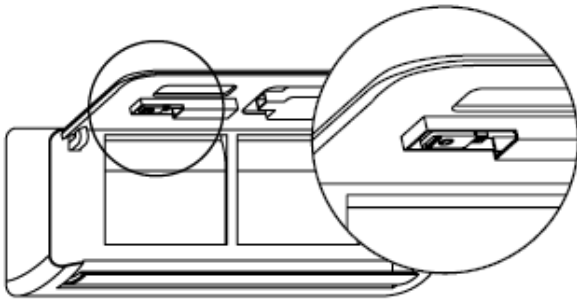
L1   L2 [240 V]

Panneau
électrique

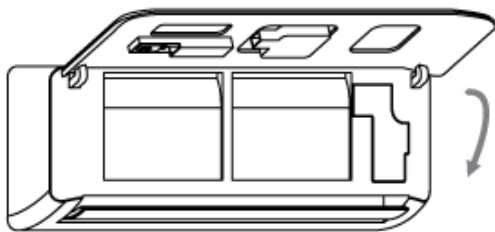## Installation diagrams - Ductless heat pump interface (Midea)

1. **Open the front panel of the indoor unit.**

2. **Insert the interface into the dedicated port in the cover of the indoor unit.**

3. **Close the cover of the indoor unit.**

Model

No.product	Description	Volts	Watts	Qty
HP6000WF-MA-K2	Local interlocking kit for compatible MIDEA ductless heat pumps	-	-	

Specifications are subject to change without notice

The signature certifies that the installation complies with the above installation diagrams.			
	Designation	Profession	Signature
Project's name:			
Address:			
Brand and models of wall-mounted units installed:			
Promotor:			
Builder:			
Consulting engineer:			
Contractor #1:			
Contractor #2:			
Contractor #3:			
Date:			