

# e-Display Panasonic Touch Stand-Alone



Stand-alone touch display for VRF Panasonic Indoor Units

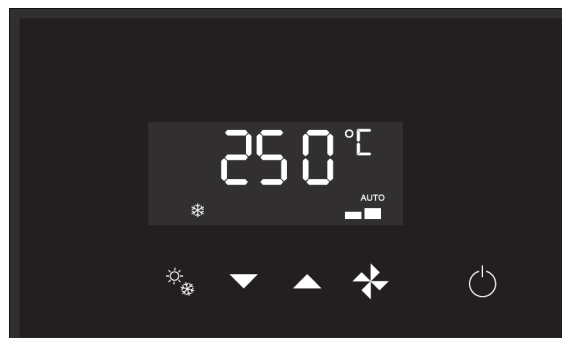
Refs: PAW-RE2D4-WH - White finished  
 PAW-RE2D4-BK - Black finished

**e-Display Panasonic Touch Stand-Alone is a remote control display for Panasonic Indoor Units which has an easy to use touch panel interface to control the climate system.**

**The device is including two digital inputs to connect different sensors to perform energy saving functions over the indoor unit, a temperature sensor, 5 tactile pushbuttons, on NFC interface for configuration and a presence sensor.**

**Configuration of the device can be performed using the touch panel and the display or also using the E-Configurator Panasonic APP with an Android mobile phone with NFC wireless interface.**

## Instruction Sheet



### Product description

e-Display Panasonic Touch Stand-Alone is a remote control display to perform the climate control of an hotel room, home area or office room with VRF Panasonic Indoor Unit systems. One device can control up to one indoor unit at the same time and is including 5 tactile pushbuttons to operate over the indoor unit.

The device has two digital inputs, dry contact type, that can be used to perform energy saving applications. In hotel applications, Input 1 is connected to a window contact and Input 2 to a keycard contact. When keycard contact is closed (card inserted), the climate system is enabled and the user can operate over the system; when keycard contact is open (card removed), the device can be configured to automatically

switch off the climate system or to change it to economy mode (economy setpoint). When Input 1 is closed (window closed), the climate system is enabled; when Input 1 is open (window open), the climate system is automatically stopped. In office applications, Input 2 can be connected to a motion sensor and the device can be configured with enough time (i. e. 15 minutes) to automatically switch off or change the system to economy mode, when no movement is detected (refer to the proper motion sensor at technical support).

The device includes a function to disable the pushbuttons for 1 minute to clean the front panel. Place a finger for some seconds over the presence sensor on the top right corner of the device, until a text CLEAN appears on the display.

### Product installation

The device is composed of two parts: The Touch Display and the Control Base.

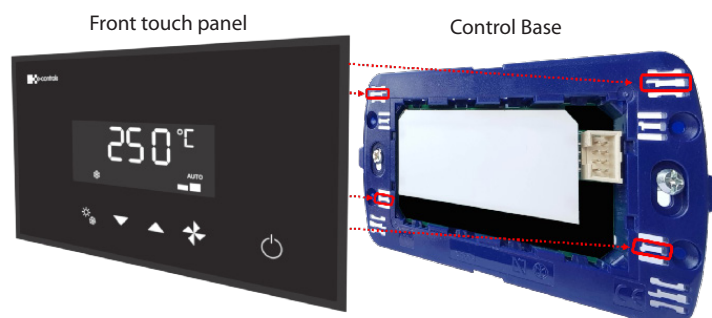
#### Installation steps:

1. Ensure that the Indoor Unit is unpowered from mains.
2. Install the yellow wall mounting enclosure into the wall.
3. Follow the wiring diagram to connect all wires to the appropriate device terminals of the Control Base.
4. Seal the internal flexible cable conduit to avoid air flowing into the device, and fix the Control Base to the enclosure.
5. Fix the Touch Display and the frame to the Control Base.
6. Remove the front panel anti-scratch protective foil.
7. Plug mains power to the Indoor Unit and check the display is switched on.

This device should not be installed on shelves, behind curtains, above or near heat sources, or exposed to direct sunlight. For accurate ambient temperature measurement, the device should be installed such that air may circulate vertically. Installation height should be approximately 1.5 m from the floor.

#### Caution:

- Prior to installing or removing the device, switch off the power supply of the indoor unit.
- Do not cut or roll up the wires to be connected to the device.
- Do not work on the wiring with wet hands.
- Do not open or drill through the device.
- Keep the device and the supply wires away from moisture and dust.
- Use a damp cloth to clean the device.



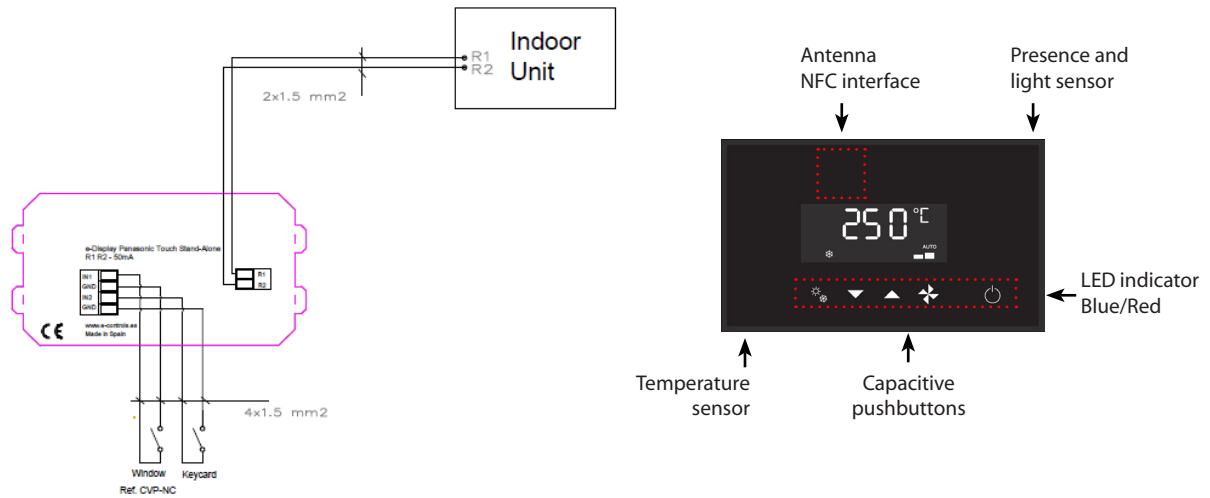
## Device configuration

There are two different ways to configure the device:

- Using the pushbuttons and the display to access the configuration menu to change or modify the parameters.
- Using the E-Configurator Panasonic mobile APP. The application is available for Android based mobile devices with NFC interface.

Refer to the Configuration Manual for details of how to configure the parameters of the device using any of both options.

## Wiring diagram and device settings



## Technical features

### Supply power

Operating voltage . . . . . R1-R2: 14 Vdc – 16 Vdc  
Maximum rated current. . . . . .50 mA

### Digital Inputs (IN1, IN2)

Open circuit voltage . . . . . 5 Vdc  
Short circuit current . . . . . 0,6 mA  
Minimum open contact impedance . . . . . > 5700 Ohm  
Maximum closed contact impedance . . . . . < 1700 Ohm

### Temperature sensor front panel

Temperature range . . . . . +5°C to +45°C (+41°F to 113°F)  
Resolution . . . . . 0,5 °C

### Front panel sensors

NFC Interface for device configuration using mobile APP  
Near field presence sensor for auto switch on LCD  
Light sensor for auto switch off LCD

### Pushbuttons

Type . . . . . Capacitive  
Features . . . . . HEAT-COOL / +T / -T / Fan-Coil speed / ON-OFF

### LCD Display

Type . . . . . Backlight liquid crystal  
Dimensions visible area . . . . . 64 x 26 mm  
Backlight colour. . . . . White LED

### LED front panel indicator

On/Off function . . . . . Configurable  
Colour (operating) . . . . . Blue  
Reset device . . . . . Red switched on  
Indoor Unit/device Alarm . . . . . Red blinking

### Temperature

Operating . . . . . 0°C a +50°C (32°F a 104°F)  
Storage . . . . . -20°C a +85°C (-4°F a +185°F)

### Humidity (no condensing)

Operating . . . . . 10% a 90% RH a 50°C  
Storage . . . . . 95% RH a 50°C

### Installation

Installation type. . . . . Flush mounting  
Flush mounting enclosure . . . . . Bticino 504 E (included)  
Mount recommended heigh. . . . . 1,5mts from floor

### Mechanical features

External dimensions . . . . . 142 x 86 x 8,5 mm  
Weight . . . . . 200 gr.  
Plug-In connectors . . . . . YES  
Conductor cross sectional area . . . . . 0,5 mm<sup>2</sup> a 2,5 mm<sup>2</sup>  
Protection index . . . . . IP20 (EN 60529:1991)  
Electrical safety . . . . . Class III

### CE Conformity

Low Voltage Directive (LVD) . . . . . 2014/35/CEC  
Electromagnetic Compatibility Directive . . . . . 2014/30/CEC

### Standards

Product standard . . . . . EN60730-1:2011  
EN50491-3:2009  
Electrical safety . . . . . EN 50491-3:2009  
EN 50491-4-1:2012  
Electromagnetic Compatibility . . . . . EN 50491-5-1:2010  
EN 50491-5-2:2010

## Ordering numbers

**e-Display Panasonic Touch Stand-Alone White**, White finished. . . . . PAW - RE2D4 - WH  
**e-Display Panasonic Touch Stand-Alone Black**, Black finished. . . . . PAW - RE2D4 - BK

Components included in the packaging: Front touch panel, Frame, Control Base, Wall mounting enclosure

## Related documents

Configuration Manual . . . . . DMCEN User Manual . . . . . DMUEN

The package of this product is considered as industrial packaging; intended for professional use only.  
The manufacturer is not responsible of the incorrect installation or use of the products. Specifications are subject to change without notice.

