



# Submittal Data Sheet

## AZAI6WSCDKA– DKN Cloud Wi-Fi Adaptor for VRV (P1P2)

|               |  |               |  |
|---------------|--|---------------|--|
| Project Name: |  | Approval:     |  |
| Location:     |  | Date:         |  |
| Engineer:     |  | Construction: |  |
| Submitted to: |  | Unit #:       |  |
| Submitted by: |  | Drawing #:    |  |
| Reference:    |  |               |  |

### TO MODEL COMPATIBILITY:

Compatible with VRV indoor unit models: FXAQ, FXDQ, FXEQ, FXFQ, FXHQ, FXLQ, FXMQ, FXMQ\_MF, FXNQ, FXSQ, FXTQ, FXUQ, FXZQ, CXTQ

Compatible with SkyAir indoor unit models: FAQ, FBQ, FCQ, FHQ, FTQ

Compatible with Single Zone/Multi Zone/SkyAir system indoor unit models: FDMQ, FFQ

Backwards compatible with indoor unit models that communicate via the P1P2 protocol

### SPECIFICATIONS:

|  |                                |   |
|--|--------------------------------|---|
| <b>Model</b>   |                                | AZAI6WSCDKA   |
| <b>Description</b>   |                                | DKN Cloud Wi-Fi Adaptor for VRV (P1P2)  |
| <b>Maximum Indoor Units</b>                                |                                | 1 indoor unit   |
| <b>Total Wiring Length</b>                                 |                                | 6 ft (2 m)  |
| <b>Dimensions</b>  |                                | 3.6 in x 3.15 in x 1.15 in (92mm x 80mm x 29 mm)  |
| <b>Weight</b>  |                                | 0.28lbs (130 g)   |
| <b>Communication Protocol</b>                              |                                | P1P2  |
| <b>Storage Temperature</b>                                 |                                | -4°F to 158°F (-20 °C to 70 °C)   |
| <b>Operation Temperature</b>                               |                                | 32°F to 122°F (0 °C to 50 °C)   |
| <b>Operation Humidity</b>                                  |                                | 5% to 90% (non-condensing)  |
| <b>Communication</b>                                       | <b>Connection</b>              | Wi-Fi-Certificated network 802.11b/g/n (802.11n up to 150 Mbps), Bluetooth: v4.2 BR/EDR and BLE specification |
|  | <b>Communication Frequency</b> | 2.4GHz  |
|  | <b>Max Antenna power</b>       | 20 dBm  |
|  | <b>Sensitivity</b>             | -97 dBm   |
|  | <b>IP Addressing</b>           | Static DHCP   |
| <b>Modbus RS485 communication baud rate</b>                |                                | 19200 bps (configurable)  |
| <b>Power Supply (can be obtained from indoor unit PCB)</b> | <b>Type</b>                    | Vdc   |
|  | <b>Voltage</b>                 | 12 – 16VDC  |
|  | <b>max current</b>             | 85 mA   |
|  | <b>max Power</b>               | 1360 mW   |

### PRODUCT IMAGE:



AZAI6WSCDKA

Daikin North America LLC, 5151 San Felipe, Suite 500, Houston TX, 77056

[www.daikinac.com](http://www.daikinac.com) [www.daikincity.com](http://www.daikincity.com)

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Engineer: \_\_\_\_\_

Submitted to: \_\_\_\_\_

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Reference: \_\_\_\_\_

Approval: \_\_\_\_\_

Date: \_\_\_\_\_

Construction: \_\_\_\_\_

Unit #: \_\_\_\_\_

Drawing #: \_\_\_\_\_

### FEATURES:

- A wired remote controller is optional to connect to the indoor unit together with the Wi-Fi adaptor
- Compatible with Amazon Alexa and Google Home voice control
- The Wi-Fi adaptor wiring consists of a non-polar two-wire connection to the indoor unit at terminals P1/P2 and a connection to the indoor unit power supply connector X18A or X35A (16VDC).
  - Wiring harness provided with Wi-Fi adaptor
- The DKN Cloud Wi-Fi adaptor enables the control of P1P2 indoor units through an iOS or Android smartphone app:
  - Monitor and/or control the indoor units:
    - On/Off
    - Mode – Cool, Heat, Auto\*, Dry and Fan
    - Room temperature
    - Sensed by the remote controller or indoor unit return air sensor (depends on indoor unit model)
    - Setpoint
    - Fan speed
    - Louver direction (depends on indoor unit model)
    - Error code
    - Next scheduled event
  - Capable of setting a 7 day schedule for each indoor unit group
  - Capable of editing unit name and icon and grouping units.
  - Capable of managing users with Basic and Advanced authority
  - Capable of displaying different languages: English, Spanish and French
  - Capable of selecting temperature units °F/°C.
- Open API document is available for cloud-to-cloud integration
- Modbus Integration
  - The following points are available through Modbus:

| No. | Point Name                  | Read Only/Writable |
|-----|-----------------------------|--------------------|
| 1   | Unit on/off                 | Writable           |
| 2   | Setpoint                    | Writable           |
| 3   | Room temperature            | Read only          |
| 4   | Mode Auto/Cool/Heat/Fan/Dry | Writable           |
| 5   | Fan speed                   | Writable           |
| 6   | Louver position             | Writable           |
| 7   | Error code                  | Read only          |

\*Applicable to indoor units that connect to VRV Heat Recovery outdoor units only.

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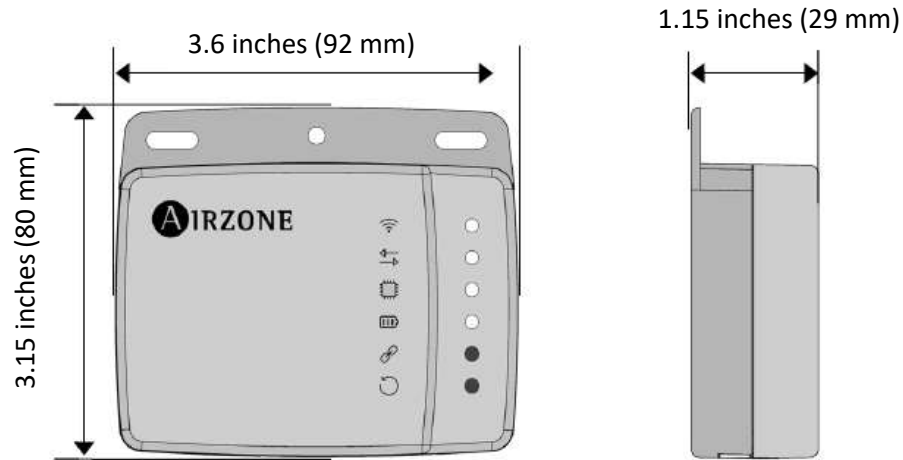


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### DIMENSIONS:

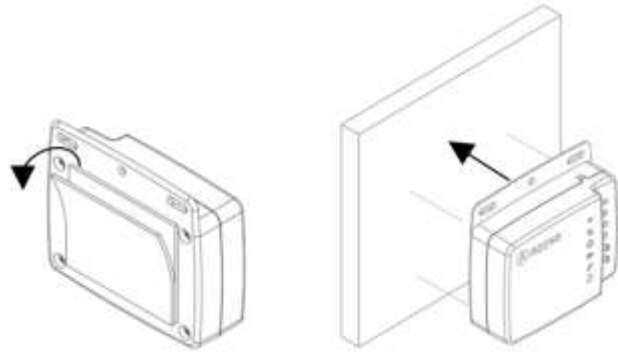


### MOUNTING:

The Wi-Fi adaptor shall be mounted onto a flat surface either through screws or double-sided adhesive tape provided with the Wi-Fi adaptor



Screw attachment



Double-sided adhesive attachment

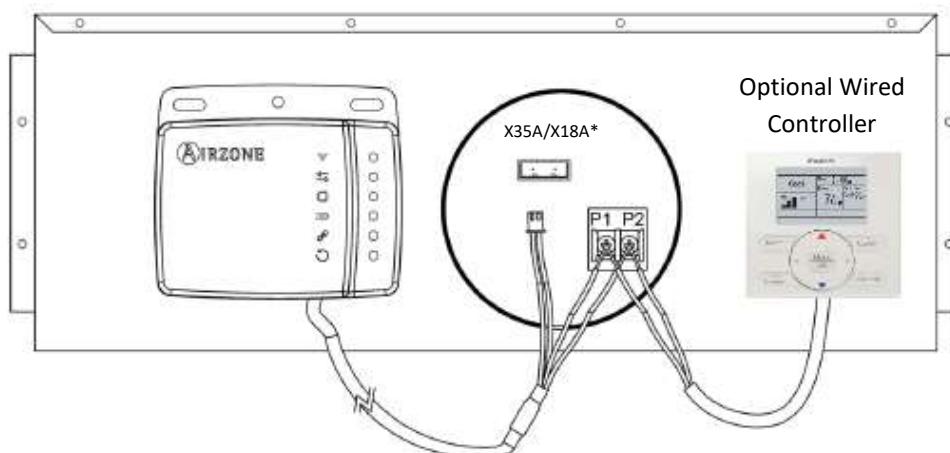
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### CONNECTION:



\*For FTQ\_P and FXTQ\_P, use the X9A connector on the A2P PCB

### ADAPTOR COMPATIBILITY:

The Wi-Fi adaptor is not compatible with the following adaptors:

- KRP4A71, KRP4A72, KRP4A73, KRP4A74
- DTA104A53, DTA104A61, DTA104A62
- DTA116A51 if powered by the indoor unit PCB

### DOCUMENTATION:

Documentation available on [www.daikincity.com](http://www.daikincity.com) and/or [www.daikinac.com](http://www.daikinac.com):

- Submittal
- Guide specs
- Product flyer
- API document