



Daikin Applied
10 Exchange Place, 21st fl
Jersey City, N.J. 07302
Office: (201) 395 3750
Fax: (201) 395 3777

Submittal for Approval Casa Pasiva 6 – Alternate Submission



323 East Ninth Street Store, New York, New York, 10003

CHRIS BENEDICT, R.A.

PH 212.477.6016 benedictra@aol.com FX 212.477.6026



REVIEWED

☐

REVIEWED AS NOTED

☒

RESUBMITTAL NOT REQUIRED

REVIEWED AS NOTED

☐

RESUBMITTAL REQUIRED

REJECTED

☐

Please include FasNSeal
Please describe low ambient model (why
the change in the model number)

The action indicated is conditional subject to all provisions of the Contract. It is the responsibility of the Contractor to verify the accuracy of all dimensions and quantities and to coordinate this submittal with all other work.

Accepted By:

DATE: 20 Nov 2019 BY:  Date: _____

Printed Name _____

Company _____

Project Location: 120 Grove St

Submitted: October 15 2019

Engineer: Chris Benedict Architects

Mechanical Contractor: B&W Mechanical

Submitted By: Andrew Blom – Sales Engineer

Email: Andrew.Blom@daikinapplied.com



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10 Exchange Place, 21st fl
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General VRV System

- Submittal based on plans dated **04/20/2018** – Alternate Submission
- 208-230v/60/1 – all indoor units
- 208-230v/60/1 – all outdoor units.
- Indoor Unit models FTXS and CTXS **do not** have built-in condensate lift pumps as standard.
- Programmable wifi modules as detailed below.
- All control wiring to be 16 or 18 AWG, 2-wire, stranded, **non-shielded**.
- Installing contractor to provide shop drawings of refrigerant piping lengths and routing prior to release of all Daikin equipment.
- Installing contractor to follow all Daikin piping rules.
- Installing contractor to have completed Daikin Training.
- Installing contractor to complete Daikin Pre-Start-Up Checklist.
- 12-year compressor / 12-year parts on all VRV, Mini-Split and Sky Air equipment.

Clarifications

- **Accurate field piping diagram to be provided to Daikin Applied prior to release to verify piping diameters, system refrigerant charge, and refnet model/quantities.**
- Contractor is required to have completed Daikin training and have a “Certified Daikin” technician on the job in order for us to complete this sale.
- Lead Times may be extended – Check with your sales representative for updates
- Price does not include tax. Completed sales tax form ST-120.1 or equivalent shall be provided in order to waive sales tax for equipment.

Items Not Included by Daikin Applied

- **Start-up or first year service unless specified in purchase order.**
- Any strainers, flow switches, control valves, or actuators
- Rigging, assembling and setting of HVAC equipment in place
- Any External Wiring; any ductwork or filter media
- Any centralized controllers / translators
- Refrigerant piping design / materials & specialties by other
- Service contract unless otherwise indicated
- Any secondary drain pans or leak detectors
- Labor warranty of any kind unless otherwise indicated
- Curb and Vibration isolation unless otherwise indicated
- Disconnect Switches

Material List

Qty	Model Number	Description
2-ton System w/Low Ambient and Accessories:		
2	CTXS07LVJU	1/2 Ton Wall Mounted Unit
1	FTXS12LVJU	FTXS12LVJU
1	3MXL24RMVJU	AURORA 3 port hp, ductless od 2 ton
3	KKF917A4	Loss Prevention Chain for Wireless Controller / Holder
3	IBWMPDAI001I000	Wifi Modules
3-ton System w/Low Ambient and Accessories:		
3	CTXS07LVJU	1/2 Ton Wall Mounted Unit
1	FTXS12LVJU	FTXS12LVJU
1	4MXL36RMVJU	AURORA 4 port hp, ductless od 3 ton
4	KKF917A4	Loss Prevention Chain for Wireless Controller / Holder
4	IBWMPDAI001I000	Wifi Modules



2 Ton System with Low Ambient Condenser

Submittal Data Sheet

FTXS12LVJU - FTXS12LVJU

Project: 120 Grove St - Riseboro Mockup

Submitted by: Andrew Blom of DAIKIN APPLIED NEW YORK on 10/16/2019

Submitted to: No Engineer Name Specified

FEATURES

- IR controller included
- 3-D airflow - Auto-swing (up, down and right, left)
- Intelligent eye occupancy sensor
- Titanium apatite photocatalytic air purifying
- Hot start technology
- Auto-restart (after power failure)

BENEFITS

- 12 year limited parts and compressor warranty with online registration
- 5 Year limited parts warranty for commercial applications



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REJECTED	<input type="checkbox"/>

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DATE:

BY:



2 Ton System with Low Ambient Condenser

Submittal Data Sheet

FTXS12LVJU - FTXS12LVJU

Project: 120 Grove St - Riseboro Mockup

Submitted by: Andrew Blom of DAIKIN APPLIED NEW YORK on 10/16/2019

Submitted to: No Engineer Name Specified

PERFORMANCE

Indoor Unit Model No.	FTXS12LVJU	Indoor Unit Name:	FTXS12LVJU
Type:	Wall Mounted	Rated Cooling Conditions:	Indoor (°F DB/WB): 80 / 67 Ambient (°F DB/WB): 95 / 75
Rated Cooling Capacity (Btu/hr):		Rated Heating Conditions:	Indoor (°F DB/WB): 70 / 60 Ambient (°F DB/WB): 47 / 43
Sensible Capacity (Btu/hr):		Rated Piping Length(ft):	25
Cooling Input Power (kW):		Rated Height Separation (ft):	0

INDOOR UNIT DETAILS

Power Supply (V/Hz/Ph):	208-230 / 60 / 1	Airflow Rate (H/M/L/SL) (CFM):	403/307/205/155
Power Supply Connections:	See Outdoor Unit for Electrical Specs	Moisture Removal (Gal/hr):	0.3
Min. Circuit Amps MCA (A):		Gas Pipe Connection (inch):	3/8
Max Overcurrent Protection (MOP) (A):		Liquid Pipe Connection (inch):	1/4
Dimensions (HxWxD) (in):	11-5/8 x 31-1/2 x 8-7/16	Condensate Connection (inch):	5/8
Net Weight (lb):	22	Sound Pressure (H/M/L/SL) (dBA):	45/37/29/23
Ext. Static Pressure (Rated/Max) (inWg):	0 / 0	Sound Power Level (dBA):	57

Submittal Data Sheet

FTXS12LVJU - FTXS12LVJU

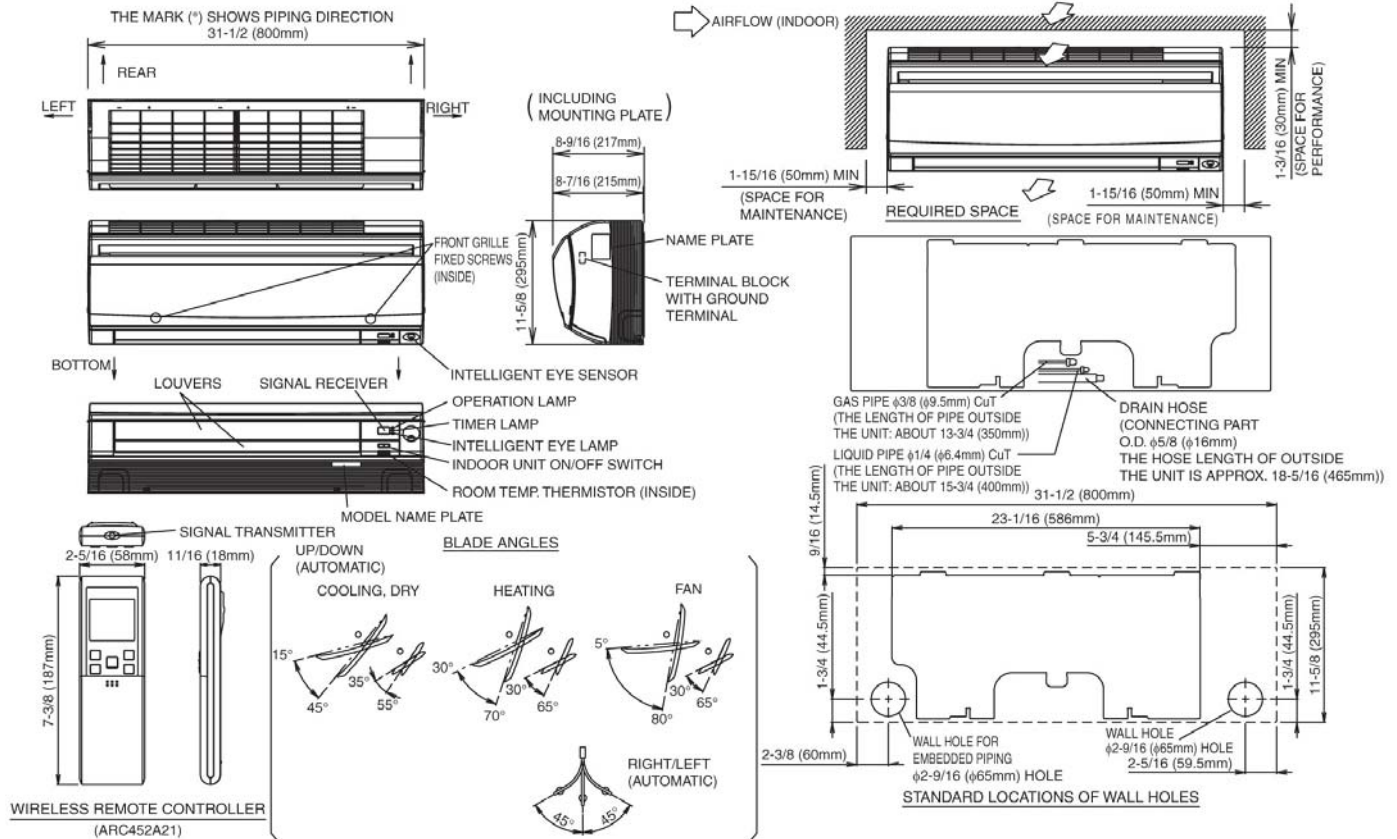
Project: 120 Grove St - Riseboro Mockup

Submitted by: Andrew Blom of DAIKIN APPLIED NEW YORK on 10/16/2019

Submitted to: No Engineer Name Specified

DIMENSIONAL DRAWING

FTXS09,12LVJU





2 Ton System with Low Ambient Condenser

Submittal Data Sheet

1/2 Ton Wall Mounted Unit - CTXS07LVJU

Project: 120 Grove St - Riseboro Mockup

Submitted by: Andrew Blom of DAIKIN APPLIED NEW YORK on 10/16/2019

Submitted to: No Engineer Name Specified

FEATURES

- IR controller included
- 3-D airflow - Auto-swing (up, down and right, left)
- Intelligent eye occupancy sensor
- Titanium apatite photocatalytic air purifying
- Hot start technology
- Auto-restart (after power failure)

BENEFITS

- 12 year limited parts and compressor warranty with online registration
- 5 Year limited parts warranty for commercial applications





2 Ton System with Low Ambient Condenser

Submittal Data Sheet

1/2 Ton Wall Mounted Unit - CTXS07LVJU

Project: 120 Grove St - Riseboro Mockup

Submitted by: Andrew Blom of DAIKIN APPLIED NEW YORK on 10/16/2019

Submitted to: No Engineer Name Specified

PERFORMANCE

Indoor Unit Model No.	CTXS07LVJU	Indoor Unit Name:	1/2 Ton Wall Mounted Unit
Type:	Wall Mounted	Rated Cooling Conditions:	Indoor (°F DB/WB): 80 / 67 Ambient (°F DB/WB): 95 / 75
Rated Cooling Capacity (Btu/hr):	7,000	Rated Heating Conditions:	Indoor (°F DB/WB): 70 / 60 Ambient (°F DB/WB): 47 / 43
Sensible Capacity (Btu/hr):		Rated Piping Length(ft):	25
Cooling Input Power (kW):	0.020	Rated Height Separation (ft):	0
Rated Heating Capacity (Btu/hr):	7,000		
Heating Input Power (kW):	0.02		

INDOOR UNIT DETAILS

Power Supply (V/Hz/Ph):	208-230 / 60 / 1	Airflow Rate (H/M/L/SL) (CFM):	332/261/194/145
Power Supply Connections:	See Outdoor Unit for Electrical Specs	Moisture Removal (Gal/hr):	
Min. Circuit Amps MCA (A):		Gas Pipe Connection (inch):	3/8
Max Overcurrent Protection (MOP) (A):		Liquid Pipe Connection (inch):	1/4
Dimensions (HxWxD) (in):	11-5/8 x 31-1/2 x 8-7/16	Condensate Connection (inch):	5/8
Net Weight (lb):	20	Sound Pressure (H/M/L/SL) (dBA):	38/32/25/22
Ext. Static Pressure (Rated/Max) (inWg):	0 / 0	Sound Power Level (dBA):	54

Submittal Data Sheet

1/2 Ton Wall Mounted Unit - CTXS07LVJU

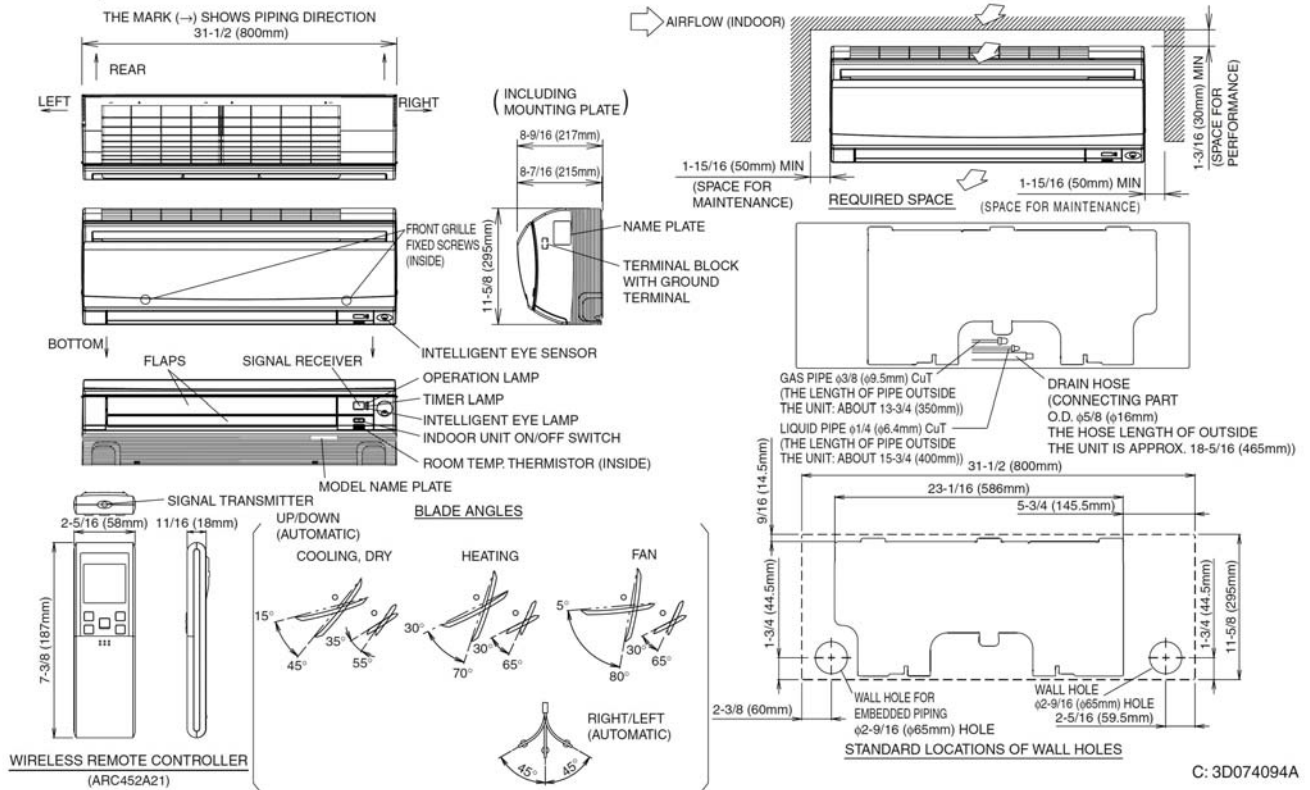
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Submitted to: No Engineer Name Specified

DIMENSIONAL DRAWING

CTXS07LVJU, FTXS09/12LVJU





2 Ton System with Low Ambient Condenser

Submittal Data Sheet

AURORA 3 port hp, ductless od 2 ton - 3MXL24RMVJU

Project: 120 Grove St - Riseboro Mockup

Submitted by: Andrew Blom of DAIKIN APPLIED NEW YORK on 10/16/2019

Submitted to: No Engineer Name Specified

FEATURES

- Enhanced Capacity
- High-efficiency inverter driven swing compressor
- Cooling Operation Limit (14°~114.8°F/-10°~46°C)
- Heating Operating Limit (-13°~60°F/-25°~15.6°C)
- Anti-corrosion treatment of outdoor heat exchanger
- Specialized drain pan design for improved cold climate drainage
- Chargeless 131.6 ft (40m)

BENEFITS

- 12 Year limited parts warranty with online registration
- 5 Year limited parts warranty for commercial applications
- Priority-room setting
- COOL / HEAT mode lock
- High efficiency cooling and heating operation provides utility bill savings
- Multiple indoor unit style options: wall mounted, floor standing, ceiling cassette, slim duct





2 Ton System with Low Ambient Condenser

Submittal Data Sheet

AURORA 3 port hp, ductless od 2 ton - 3MXL24RMVJU

Project: 120 Grove St - Riseboro Mockup

Submitted by: Andrew Blom of DAIKIN APPLIED NEW YORK on 10/16/2019

Submitted to: No Engineer Name Specified

PERFORMANCE

Outdoor Unit Model No.	3MXL24RMVJU	Outdoor Unit Name:	AURORA 3 port hp, ductless od 2 ton
Type:	Heat Pump		
Rated Cooling Conditions:	Indoor (°F DB/DB): 80 / 67 Ambient (°F DB/WB): 95 / 75	Rated Heating Conditions:	Indoor (°F DB/WB): 70 / 60 Ambient (°F DB/WB): 47 / 43
Rated Piping Length(ft):	25		
Rated Height Difference (ft):	0.00		
Rated Cooling Capacity (Btu/hr):	24,000	Rated Heating Capacity (Btu/hr):	24,000
Cooling Input Power (kW):		Heating Input Power (kW):	
EER (Non-Ducted/Ducted):	12.70 /	Heating COP (Non-Ducted/Ducted):	/
SEER (Non-Ducted/Ducted):	18.00 /	HSPF (Non-Ducted/Ducted):	12.5 /
Max/Min Cooling Capacity (Btu/hr):	/	Max/Min Heating Capacity (Btu/hr):	

OUTDOOR UNIT DETAILS

Power Supply (V/Hz/Ph):	208-230 / 60 / 1	Compressor Stage:	
Power Supply Connections:	L1, L2, L3, Ground	Capacity Control Range (%):	-
Min. Circuit Amps MCA (A):	22.6	Airflow Rate (H) (CFM):	2094
Max Overcurrent Protection (MOP) (A):	25	Gas Pipe Connection (inch):	1/2
Max Starting Current MSC(A):	17.50	Liquid Pipe Connection (inch):	1/4
Rated Load Amps RLA(A):		Sound Pressure (H) (dBA):	52
Dimensions (HxWxD) (in):	28-15/16 x 34-1/4 x 12-5/8	Sound Power Level (dBA):	
Net Weight (lb):	140		



2 Ton System with Low Ambient Condenser

Submittal Data Sheet

AURORA 3 port hp, ductless od 2 ton - 3MXL24RMVJU

Project: 120 Grove St - Riseboro Mockup

Submitted by: Andrew Blom of DAIKIN APPLIED NEW YORK on 10/16/2019

Submitted to: No Engineer Name Specified

SYSTEM DETAILS

Refrigerant Type:	R-410A	Cooling Operation Range (°F DB):	14 - 115
Holding Refrigerant Charge (lbs):	6.17	Heating Operation Range (°F WB):	-13 - 60
Additional Charge (lb/ft):	0.21	Max. Pipe Length (Vertical) (ft):	49
Pre-charge Piping (Length) (ft):	131	Cooling Range w/Baffle (°F DB):	-
Max. Pipe Length (Total) (ft):	230	Heating Range w/Baffle (°F WB):	-
Max Height Separation (Ind to Ind ft):	0		

DIMENSIONAL DRAWING



3 Ton System with Low Ambient Condenser

Submittal Data Sheet

FTXS12LVJU - FTXS12LVJU

Project: 120 Grove St - Riseboro Mockup

Submitted by: Andrew Blom of DAIKIN APPLIED NEW YORK on 10/16/2019

Submitted to: No Engineer Name Specified

FEATURES

- IR controller included
- 3-D airflow - Auto-swing (up, down and right, left)
- Intelligent eye occupancy sensor
- Titanium apatite photocatalytic air purifying
- Hot start technology
- Auto-restart (after power failure)

BENEFITS

- 12 year limited parts and compressor warranty with online registration
- 5 Year limited parts warranty for commercial applications





3 Ton System with Low Ambient Condenser

Submittal Data Sheet

FTXS12LVJU - FTXS12LVJU

Project: 120 Grove St - Riseboro Mockup

Submitted by: Andrew Blom of DAIKIN APPLIED NEW YORK on 10/16/2019

Submitted to: No Engineer Name Specified

PERFORMANCE

Indoor Unit Model No.	FTXS12LVJU	Indoor Unit Name:	FTXS12LVJU
Type:	Wall Mounted	Rated Cooling Conditions:	Indoor (°F DB/WB): 80 / 67 Ambient (°F DB/WB): 95 / 75
Rated Cooling Capacity (Btu/hr):		Rated Heating Conditions:	Indoor (°F DB/WB): 70 / 60 Ambient (°F DB/WB): 47 / 43
Sensible Capacity (Btu/hr):		Rated Piping Length(ft):	25
Cooling Input Power (kW):		Rated Height Separation (ft):	0

INDOOR UNIT DETAILS

Power Supply (V/Hz/Ph):	208-230 / 60 / 1	Airflow Rate (H/M/L/SL) (CFM):	403/307/205/155
Power Supply Connections:	See Outdoor Unit for Electrical Specs	Moisture Removal (Gal/hr):	0.3
Min. Circuit Amps MCA (A):		Gas Pipe Connection (inch):	3/8
Max Overcurrent Protection (MOP) (A):		Liquid Pipe Connection (inch):	1/4
Dimensions (HxWxD) (in):	11-5/8 x 31-1/2 x 8-7/16	Condensate Connection (inch):	5/8
Net Weight (lb):	22	Sound Pressure (H/M/L/SL) (dBA):	45/37/29/23
Ext. Static Pressure (Rated/Max) (inWg):	0 / 0	Sound Power Level (dBA):	57

Submittal Data Sheet

FTXS12LVJU - FTXS12LVJU

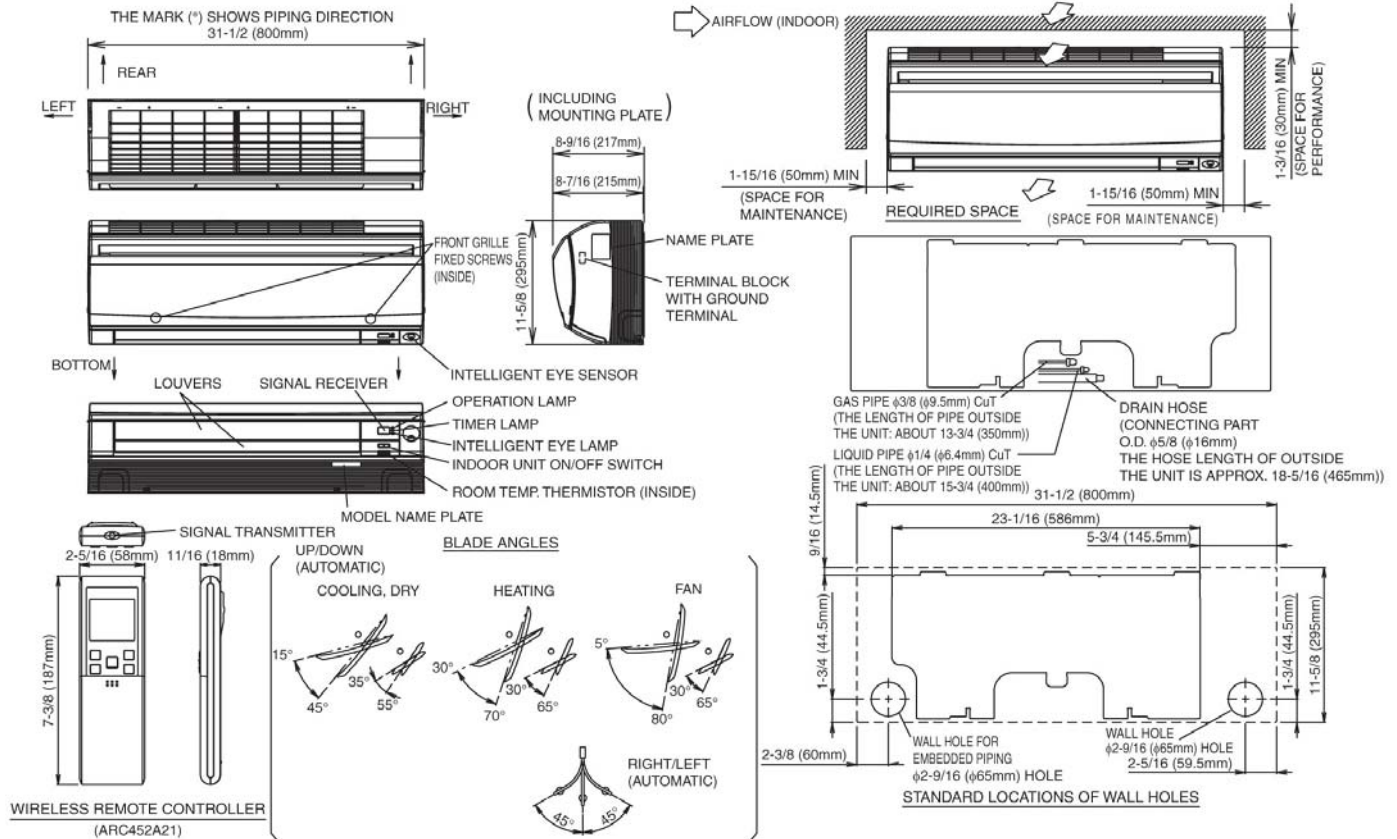
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DIMENSIONAL DRAWING

FTXS09,12LVJU





3 Ton System with Low Ambient Condenser

Submittal Data Sheet

1/2 Ton Wall Mounted Unit - CTXS07LVJU

Project: 120 Grove St - Riseboro Mockup

Submitted by: Andrew Blom of DAIKIN APPLIED NEW YORK on 10/16/2019

Submitted to: No Engineer Name Specified

FEATURES

- IR controller included
- 3-D airflow - Auto-swing (up, down and right, left)
- Intelligent eye occupancy sensor
- Titanium apatite photocatalytic air purifying
- Hot start technology
- Auto-restart (after power failure)

BENEFITS

- 12 year limited parts and compressor warranty with online registration
- 5 Year limited parts warranty for commercial applications





3 Ton System with Low Ambient Condenser

Submittal Data Sheet

1/2 Ton Wall Mounted Unit - CTXS07LVJU

Project: 120 Grove St - Riseboro Mockup

Submitted by: Andrew Blom of DAIKIN APPLIED NEW YORK on 10/16/2019

Submitted to: No Engineer Name Specified

PERFORMANCE

Indoor Unit Model No.	CTXS07LVJU	Indoor Unit Name:	1/2 Ton Wall Mounted Unit
Type:	Wall Mounted	Rated Cooling Conditions:	Indoor (°F DB/WB): 80 / 67 Ambient (°F DB/WB): 95 / 75
Rated Cooling Capacity (Btu/hr):	7,000	Rated Heating Conditions:	Indoor (°F DB/WB): 70 / 60 Ambient (°F DB/WB): 47 / 43
Sensible Capacity (Btu/hr):		Rated Piping Length(ft):	25
Cooling Input Power (kW):	0.020	Rated Height Separation (ft):	0
Rated Heating Capacity (Btu/hr):	7,000		
Heating Input Power (kW):	0.02		

INDOOR UNIT DETAILS

Power Supply (V/Hz/Ph):	208-230 / 60 / 1	Airflow Rate (H/M/L/SL) (CFM):	332/261/194/145
Power Supply Connections:	See Outdoor Unit for Electrical Specs	Moisture Removal (Gal/hr):	
Min. Circuit Amps MCA (A):		Gas Pipe Connection (inch):	3/8
Max Overcurrent Protection (MOP) (A):		Liquid Pipe Connection (inch):	1/4
Dimensions (HxWxD) (in):	11-5/8 x 31-1/2 x 8-7/16	Condensate Connection (inch):	5/8
Net Weight (lb):	20	Sound Pressure (H/M/L/SL) (dBA):	38/32/25/22
Ext. Static Pressure (Rated/Max) (inWg):	0 / 0	Sound Power Level (dBA):	54

Submittal Data Sheet

1/2 Ton Wall Mounted Unit - CTXS07LVJU

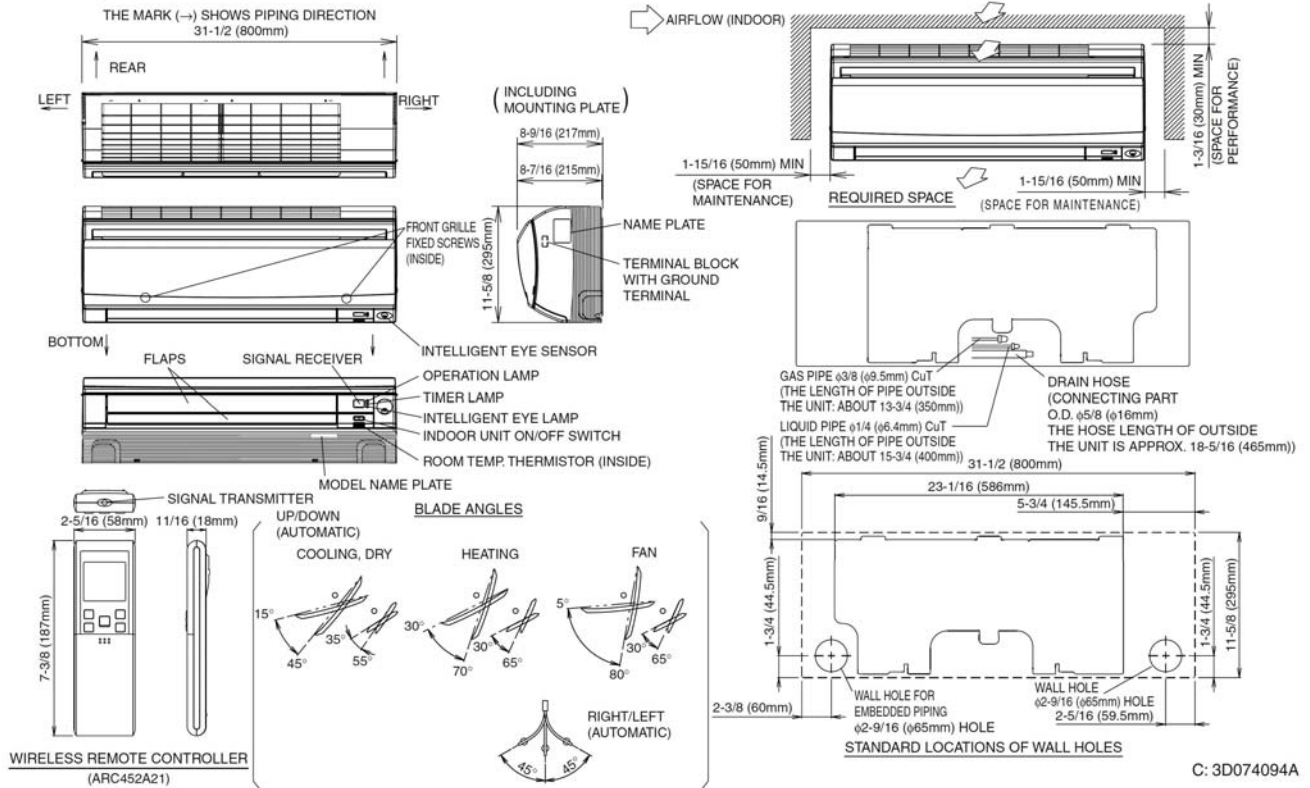
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DIMENSIONAL DRAWING

CTXS07LVJU, FTXS09/12LVJU





3 Ton System with Low Ambient Condenser

Submittal Data Sheet

AURORA 4 port hp, ductless od 3 Ton - 4MXL36TVJU

Project: 120 Grove St - Riseboro Mockup

Submitted by: Andrew Blom of DAIKIN APPLIED NEW YORK on 10/16/2019

Submitted to: No Engineer Name Specified

FEATURES

- High-efficiency inverter driven swing compressor

BENEFITS

- 12 Year limited parts warranty with online registration





3 Ton System with Low Ambient Condenser

Submittal Data Sheet

AURORA 4 port hp, ductless od 3 Ton - 4MXL36TVJU

Project: 120 Grove St - Riseboro Mockup

Submitted by: Andrew Blom of DAIKIN APPLIED NEW YORK on 10/16/2019

Submitted to: No Engineer Name Specified

PERFORMANCE

Outdoor Unit Model No.	4MXL36TVJU	Outdoor Unit Name:	AURORA 4 port hp, ductless od 3 Ton
Type:	Heat Pump		
Rated Cooling Conditions:	Indoor (°F DB/DB): 80 / 67 Ambient (°F DB/WB): 95 / 75	Rated Heating Conditions:	Indoor (°F DB/WB): 70 / 60 Ambient (°F DB/WB): 47 / 43
Rated Piping Length(ft):	25		
Rated Height Difference (ft):	0.00		
Rated Cooling Capacity (Btu/hr):		Rated Heating Capacity (Btu/hr):	
Cooling Input Power (kW):		Heating Input Power (kW):	
EER (Non-Ducted/Ducted):	12.50 / 11.00	Heating COP (Non-Ducted/Ducted):	/
SEER (Non-Ducted/Ducted):	21.70 / 16.90	HSPF (Non-Ducted/Ducted):	11.2 / 9.1
Max/Min Cooling Capacity (Btu/hr):	/	Max/Min Heating Capacity (Btu/hr):	

OUTDOOR UNIT DETAILS

Power Supply (V/Hz/Ph):	208-230 // 1	Compressor Stage:	
Power Supply Connections:	L1, L2, L3, Ground	Capacity Control Range (%):	-
Min. Circuit Amps MCA (A):	32.5	Airflow Rate (H) (CFM):	
Max Overcurrent Protection (MOP) (A):	35	Gas Pipe Connection (inch):	
Max Starting Current MSC(A):		Liquid Pipe Connection (inch):	
Rated Load Amps RLA(A):		Sound Pressure () (dBA):	
Dimensions (HxWxD) (in):	x x	Sound Power Level (dBA):	
Net Weight (lb):			

Submittal Data Sheet

AURORA 4 port hp, ductless od 3 Ton - 4MXL36TVJU

Project: 120 Grove St - Riseboro Mockup

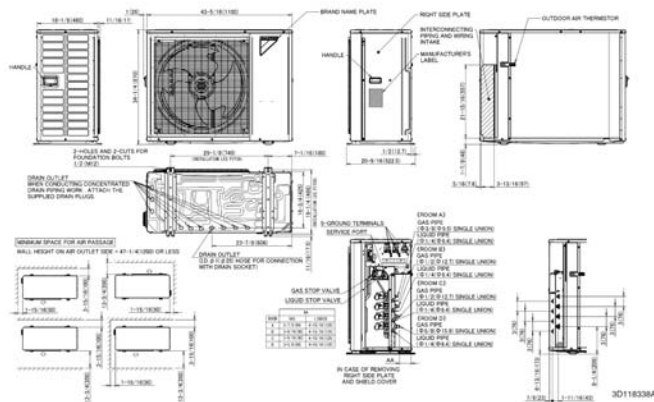
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Submitted to: No Engineer Name Specified

SYSTEM DETAILS

Refrigerant Type:	R-410A	Cooling Operation Range (°F DB):	14 - 115
Holding Refrigerant Charge (lbs):		Heating Operation Range (°F WB):	-13 - 60
Additional Charge (lb/ft):		Max. Pipe Length (Vertical) (ft):	
Pre-charge Piping (Length) (ft):		Cooling Range w/Baffle (°F DB):	-
Max. Pipe Length (Total) (ft):		Heating Range w/Baffle (°F WB):	-
Max Height Separation (Ind to Ind ft):	0		

DIMENSIONAL DRAWING





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Loss Prevention Chain for Wireless Controller / Holder

Model No.:

KKF917A4

Model Type.:

Accessory



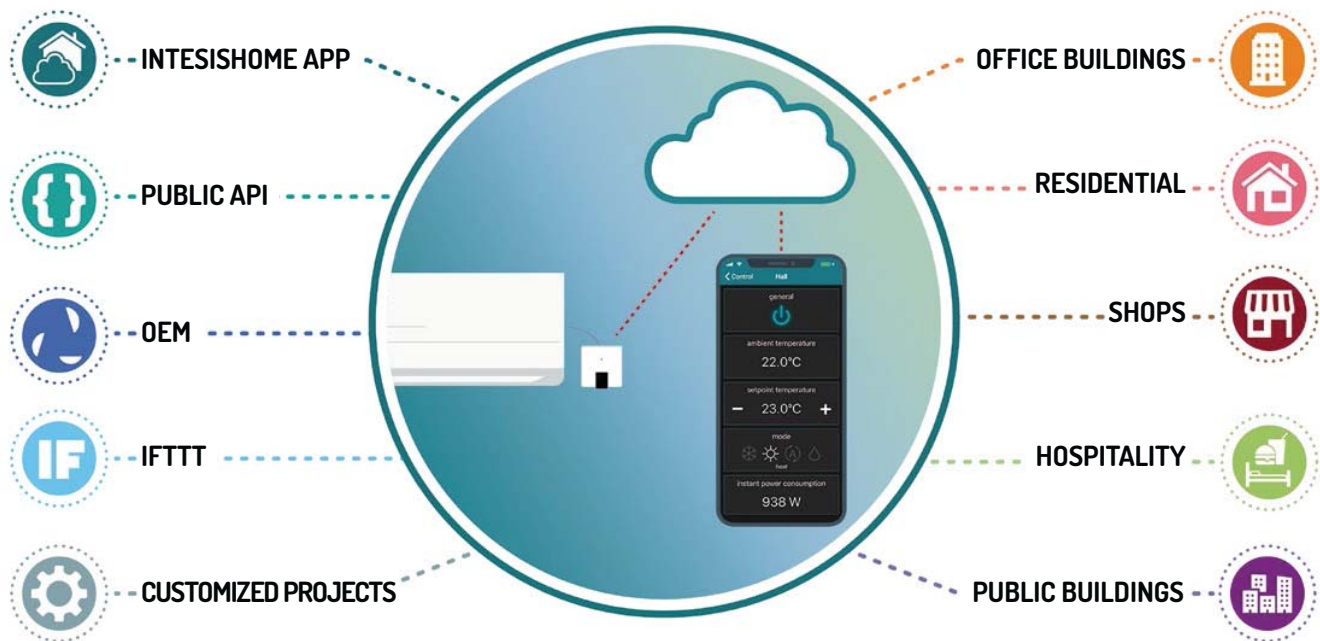
THE CONNECTED HVAC

*SMART HOME & BUILDING, ENERGY EFFICIENCY,
SMART GRIDS AND VALUE ADDED SERVICES*



HVAC IoT

IntesisHome is the HVAC IoT solution created by **Intesis** for home and facility management. A remote-control system, cloud-based, that allows comfortable and intuitive control of Air Conditioners and Heat Pumps from a smartphone, tablet, smart watch or from a simple internet browser.



- ~ MULTI-BRAND AND MULTI-SITE BUILDING PROJECTS
- ~ REAL TIME MONITORING AND CONTROL
- ~ INTELLIGENT DIGITALIZED SERVICES AND OPERATIONS
- ~ INTEGRATION WITH 3rd PARTY SYSTEMS
- ~ OEM AND CUSTOMIZED PROJECTS

IntesisHome offers:

Compatibility for thousands of Air Conditioner and Heat Pump models in the residential and commercial market.

It is possible to connect **IntesisHome** to other devices and applications to greatly extend the functions of the Air Conditioning.

PROFESSIONAL

INTESISHOME SOLUTION
WILL **HELP YOU**
IN DIFFERENT WAYS

Maintaining the proper climate in a business is one of the highest expenses that the facility manager must deal with. Whatever the business is, the first need is to offer a comfortable environment to the customers and our own employees, reducing the energy consumption.



CONTROL ONE OR MORE FACILITIES



SECONDARY USERS



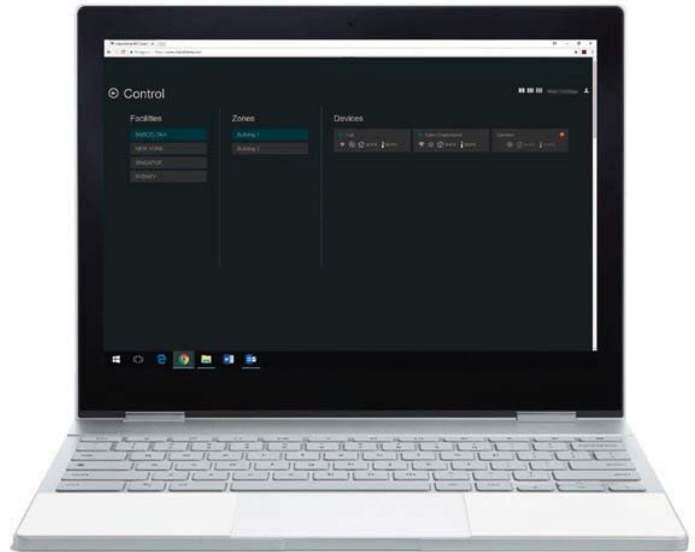
ERROR ALARMS THROUGH EMAIL



CUSTOMIZABLE ANNUAL CALENDAR



ENERGY SAVING



RESIDENTIAL

Having a full control of the HVAC systems anytime from anywhere doesn't only help to keep our homes at the correct temperature, but reduces costs as well.























- ✓ Automate one or more devices and control them together from any place in the world.
- ✓ Set up the patterns that work for you, have the units running at the desired temperature only when you need them, all the rest is savings.
- ✓ Set up and run your scenes (arriving home, sleep, etc.).
- ✓ Receive personalized alerts.

GEOFENCING Detects how far away you are from home and sets the temperature accordingly.

WEATHER FORECAST Stop the AC from running if it's cool outside.

ALEXA ECHO "Alexa, set living room temperature to 22°C".

INTESISHOME APPLICATION

REMOTE CONTROL FUNCTIONS					
	ON/OFF	T° Set Point	Mode	Ambient T°	Fan & Vane Control
SMART FUNCTIONS					
	Geolocation	Voice Command	Email & Push Notifications	Timer & Scenes	Multi-Language
PROFESSIONAL FUNCTIONS					
	Voice Over	Anti-Frost & Overheat	Error Codes & Descriptions	Operating Hours	Auto Updates
					
	Maintenance & Filter Cleaning Schedule	Presence Detector & Window Contact	Schedule Calendar	T° Limitation	Multiple Sites

DEVICE

DAIKIN BRAND SPECIFIC

Specific WiFi devices use the proprietary communication protocol of **Daikin** allowing real **bidirectional communication with the AC system**, offering also advanced parameters like error signals and error codes.




Sky air and VRV:
DK-RC-WIFI-1


SERIAL NETWORK

The controller is connected to the HVAC remote control bus, so it could be hidden with the HVAC unit or installed beside the controller.

 [USER MANUAL](#)

 [COMPATIBILITY](#)

 External Power not required

 Can be installed inside or close to the I.U

 1 Indoor unit

 Indoor unit

 Remote controller



IntesisHome®

DK-RC-WiFi-1

Wi-Fi interface for Daikin SKY & VRV series

1. Dimensions

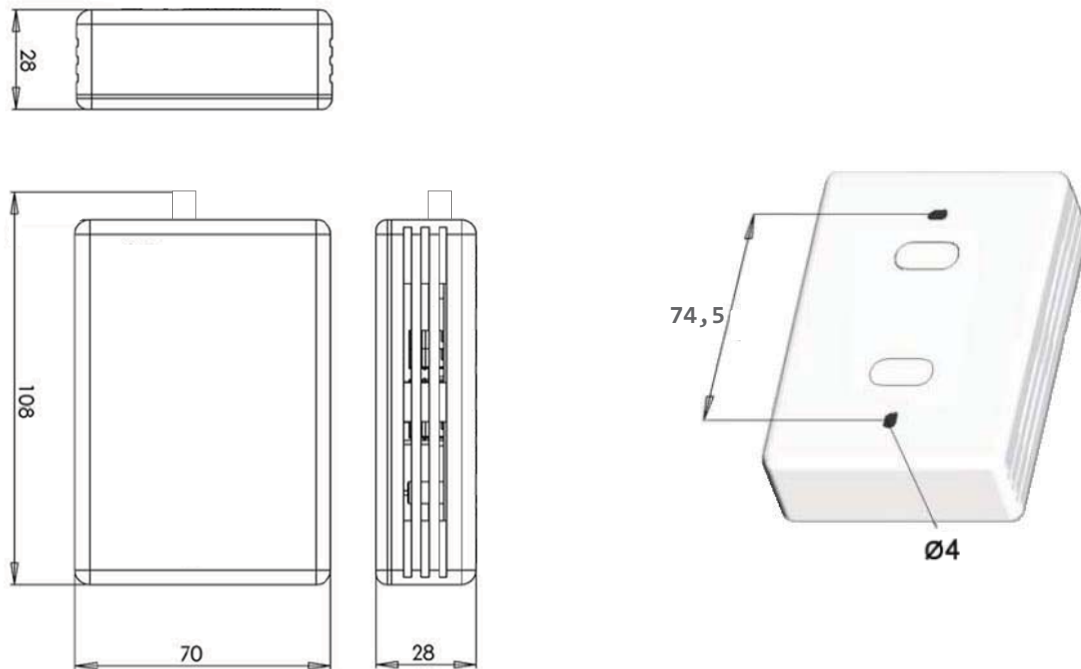


Figure 1.1 IntesisHome® device dimensions in mm and back view with fixing holes

2. Technical Features

Enclosure	ABS (UL 94 HB). 2,5 mm thickness
Dimensions	70 x 108 x 28 mm
Weight	80g
Colour	White
Power supply	14V, 110mA typical Doesn't require external power supply (supplied by the AC Unit)
Mounting	Wall
LED indicators	1 x Device status
Operating Temperature	From 0°C to 40°C
Operating humidity	<93% HR, no condensation
Stock humidity	<93% HR, no condensation
RoHS conformity	Compliant with RoHS directive (2002/95/CE).
Certifications	CE conformity to EMC directive (2004/108/EC) and Low-voltage directive (2006/95/EC) <ul style="list-style-type: none"> • EN 60950-1 • EN 301489-1 v1.8.1 • EN 301489-17 v2.1.1

Table 2.1 Technical features



IntesisHome®

DK-RC-WiFi-1

Switch positions

Please, make sure that switches are placed in the right position as per your desired settings.

Binary value b ₀ ...b ₄	Decimal value	Switches 1 2 3 4	Description
0xxx	0	↓ x x x	Daikin Indoor Unit ambient temperature shown. (default value)
1xxx	1	↑ x x x	Daikin Remote Controller ambient temperature shown.
x0xx	0	x ↓ x x	Reserved for future use (default value)
x1xx	1	x ↑ x x	Reserved for future use
xx0x	0	x x ↓ x	Reserved for future use
xx1x	1	x x ↑ x	Reserved for future use (default value)
xxx0	0	x x x ↓	Slave- A Daikin BRC Controller must be present in P1 P2, configured as Master (default value).
xxx1	1	x x x ↑	Master in P1 P2 bus – Daikin BRC Controller not needed in P1 P2. If existing, BRC must be configured as slave.

If your device is setup as Master (SW4-OFF), IntesisHome will always show the temperature measured by the Daikin Indoor Unit.

If your device is setup as Slave (SW4-ON):

- If SW1 is OFF then IntesisHome will show the temperature measured by the Daikin indoor unit.
- If SW1 is ON then IntesisHome will show the temperature measured by the Daikin remote controller

NOTE: Remember that you need to power cycle the climate system or the DK-RC-WIFI-1 for the changes in the switches to be applied.