

Daikin VRV III-S Key Points of Installation

Participant Guide









Troubleshooting Videos
"How to" troubleshooting videos are available on the Daikin AC YouTube Service channel
http://www.youtube.com/user/DaikinACService?feature=mhee
DaikinACService 25 Subscribe 25
All activities -
DaikinAC Service uploaded a video 15 monthal ago. Cr. Daikin Diagnosis 475 video: In this spinoda we will cover the three methods of accessing the Dr. Daikin Diagnosis fault code tool.
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Ductless Indoor Units							
Туре	Model	Capacity Sizes	Description				
	FXFQ_TVJU Round flow sensing cassette	7.5 MBtu to 48 MBtu	 360° Discharge air pattern with 23 field configured distribution patterns Condensate Lift Pump Outside Air integration possible Factory Long-Life Filter 				
	FXZQ_M7VJU 2' x 2' 4-Way Ceiling Cassette	7.5 MBtu to 18 MBtu	 2, 3, or 4 way configured air flow Condensate Lift Pump Outside Air integration possible Factory Long-Life Filter 				
	FXAQ_PVJU Wall-mounted Unit	7.5 MBtu to 24 MBtu	 Quiet operation Powered louvers – programmable Optional Condensate Pump Kit Factory Long-Life Filters 				
	FXHQ_MVJU Ceiling Suspended Unit	12 MBtu to 36 MBtu	 Wide air discharge with long throw Powered Louver – Programmable Less than 8' high Factory Long-Life Filters 				
	FXNQ_MVJU9 FXLQ_MVJU9 Floor Standing Unit	12 MBtu to 24 MBtu	 Top Discharge / Bottom Return Space saving free-standing or wall- mounted Optional Condensate Pump Factory Long-Life Filter 				
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Ducted In	DAIKIN		
Туре	Model	Capacity Sizes	Description
	FXDQ_MVJU Slim Duct Built-In Concealed Low Static	7.5 MBtu to 24 MBtu	 Low profile and low sound levels Ductless soffit or adapt to minimal duct installation for supply and return Condensate Lift Pump Rear or Bottom Return
	FXMQ_PVJU DC Ducted Concealed Medium Static	9 MBtu to 48 MBtu	 ECM blower for adjustable static pressure settings up to .8" w.g. Condensate Lift Pump Front Discharge – Rear Return MERV rated filters available DZK Zoning option
	FXMQ_MVJU Medium Static Ducted	72 MBtu & 96 MBtu	 6 and 8 ton capacity models Standard blower motors Gravity condensate drain Front Discharge – Rear Return
© 2014 Daikin North America, U.C.	FXTQ_PAVJU Vertical Air Handler	12 MBtu to 54 MBtu	 Upflow / Horizontal Right ECM Blower motor for efficiency Automatic static pressure adjust Optional Heat Strip Kits 3 - 20 kW

Туре	Model	Capacity Sizes	Description
	FXMQ_MFVJU 100% O.A. Processor	48, 72, & 96 MBtu 636, 989, & 1236 CFM	 Remote Controller set Discharge Temp – BRC1E72 or BRC4C82 Front Discharge – Rear Return Gravity condensate drain Brazed flange on gas line Discharge Air Sensor
	Energy Recovery Ventilator VAM_GVJU	300, 470, 600 & 1200 CFM	 208/230vac 1 Phase power 4 Airflow Rate Models: Operating Range: 5° to 122°FDB < 80% Relative Humidity Integration with VRV systems or standalone operation DIII-Net Communications Centralized Control or BRC1E72 Navigation Remote Humidifier integration possible















Table 1				
Pipe size (in.)	Tighter (1	ningtorque ft.lbf)	Flare dimensions A (in.)	Flare shape (in.)
¢1/4	10.	4-12.7	0.342-0.358	ž.
¢3/8	24.	1-29.4	0.504-0.520	N A R0016-0 031
¢1/2	36.	5-44.5	0.638-0.654	
¢5/8	45.	6-55.6	0.760-0.776	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Table 2	<i>e</i> 1	5.4	· · · · ·	Recommended arm
Pipe size	e (in.)	Further	tightening angle	length of tool (in.)
¢1/4	1	60 to	90 degrees	Approx. 5-7/8
¢3/8	3	60 to	90 degrees	Approx. 7-7/8
¢1/2	2	30 to	60 degrees	Approx. 9-13/16
à5/3	3	30 to	60 degrees	Approx, 11-13/16































































































































Forced Fan ON Procedur	e				7	DA			
 At start - LED status Normal H3P solid	H1P	H2P	НЗР	H4P	H5P	H6P	H7P	H8P	
 Press and <u>Hold</u> the MODE button for approximately 5 seconds until you see H1P on solid 	H1P	H2P	НЗР	H4P	H5P	Н6Р	H7P	H8P	
 Press the SET button 5 times H1P- H7P LEDs will indicate the binary number for every press of the SET button 	H1P	H2P	НЗР	H4P	Н5Р	H6P	Н7Р	H8P	
 Press the RETURN button once, H7P flashing – This operation is OFF 	H1P	H2P	НЗР	H4P	H5P	H6P	Н7Р	H8P	
 Press the SET button once H6P flashing – Turn operation ON 	H1P	H2P	НЗР	H4P	H5P	H6P	H7P	H8P	
 Press the RETURN button once H6P on solid – Lock the setting 	H1P	H2P	НЗР	H4P	H5P	H6P	H7P	H8P	
 Press the RETURN button oncenH6P off - Activate the setting 	H1P	H2P	НЗР	H4P	HSP	H6P	H7P	H8P	
STOP - Check all the indoor units for the blowers that are not running	\bigcirc								
 Press the MODE button once H3P Solid – Normal Operation 	H1P	H2P	НЗР	H4P	HSP	НбР	H7P	H8P	
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ure prope mended to field setti ecific insta	r air flow d o set the ac ng code tha allation	elivery, it is ctual ceilin at applies t	s g to		
	FXFQ	- PVJU	MODE	FIDET	SECOND
-	09 · 12 · 18 · 24 · 30 type	36 - 48 type	NO.	CODE NO.	CODE NO.
andard · All	≤8-3/4	≤ 10-1/2			01
und outlet			4.00 (100.00)		
gh ceiling 1	8-3/4 - 10	10-1/2 - 12	13 (23)	0	02
	nended ta field setti ecific insta	FXFQ Provide an intervention of the propertial intervention of the propertial intervention of the properties of the provide the properties of the propertie	FXFQ - PVJU 09 · 12 · 18 90 · 12 · 18 96 · 48 type andard · All	FXEQ - PVJU MODE 09 + 12 + 18 36 - 48 type andard - All < 8-3/4	First colspan="2">First colspan="2" mended to set the actual ceiling field setting code that applies to ecific installation FXFQ - PVJU MODE FIRST CODE NO. andard - All SB-48 type NO.

T1 T2 Forced Off									
Forced O Field Co Co	ff is programmed f Setting will reprogra ode 02 – ON/OFF operat ode 03 – N.C. External Fi	for N.O. (Code m dry contact con ion (Start/Stop) eld Protection Device	01) Manual Resent nfiguration and rest	e t (Factory Setting art sequence Il Condensate Pump Fl	;) oat Switch)				
	External Input	Mode No.	1 st Code No.	2 nd Code No.					
	Forced Off	12(22)	1	01 – Default Manual Reset					
	ON/OFF Op	12(22)	1	02					
	Ext Protection Device	12(22)	1	03 Auto Reset					
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