

Daikin Residential & Light Commercial Install & Start-Up

Participant Guide
























































































































































































Inverter Benefits
 High Efficiency in Part-Load conditions
 Very low startup amperage
 No locked rotor amps
 No stress on windings or compressor frame
 No "light flicker"
 Lubrication of bearings increases before speed increase
 System pressures increase gradually reducing noise and stress on piping
 Quiet compressor startup
 Better Dehumidification
 Fewer start/stop cycles
 As room temperature nears set point capacity is automatically "throttled down" Slide 26













тх	S & CT	XS Wa	ll Mou	nt		DAIKIN
	FT	xs	1	0	стхѕ	1
			Available M	odels		
FTXS		FTXS09LVJU*	FTSX12LVJU*	FTXS15LVJU*+	FTXS18LVJU*+	FTXS24LVJU*+
CTXS	CTXS07LVJU+	CTXS09HVJU+	CTXS12HVJU+			
* RXS + Mult	& RKS Single ti Split	Split				





















Quiet Operation							
			1	. 45			
	Model	High Speed	Low Speed				
	FTXS 09-24	40-46 dB	22-37 dB				
	CTXS 07-09-12	44-45 dB	31-35 dB				
				-			
5-Speed / Indoor Quiet or AUTO fan operation							
Normal conversation = 55 - 60 dB							
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Outdoor Unit Accessories							
	Outdoor Unit	Туре					
KPW038A4	RKN09/12KEVJU RXS09/12KEVJU	Air adjustment grill & Wind baffle					
KPW937A4	RXS09/12LVJU	Air adjustment grill & Wind baffle					
KPW937C4	RKN15/18/24KEVJU RXN15/18/24KEVJU RXS09/12LVJU	Air adjustment grill & Wind baffle					
KPW945A4	RXS15/18/24LVJU	Air adjustment grill & Wind baffle					
KPW945A4	2/3/4MXS	Air adjustment grill only, NOT Wind baffle					
Wind baffle kits di	Wind baffle kits direct discharge air and provide some protection from hail damage.						




















































































Single Split Pipe Sizes							
The piping line sizes apply to both high and standard efficiency systems whether using the ducted or wall mounted indoor unit.							
	Model #	Gas Line	Liquid Line				
	RXN & RKN_KEVJU 9,000 & 12,000	3/8″	1/4"				
	RXN & RKN_KEVJU 15,000, 18,000 & 24,000	1/2"	1/4"				
	RXS_LVJU 9,000 & 12,000	3/8"	1/4"				
	RXS_LVJU 15,000 & 18,000	1/2"	1/4"				
	RXS_LVJU 24,000	5/8"	1/4"				
	RXG_HVJU 9,000, 12,000 & 15,000	3/8"	1/4"				
 Flare connections at indoor and outdoor units 							
 System can be installed with no brazing! 							
 Small diameter piping means easier installation 							
Insulate each line separately! Slide 36							

Multi Split Pipe Sizes							
The piping line sizes apply whether using the ducted or wall mounted indoor unit.							
	Model #	Gas Line	Liquid Line				
	2MXS18GVJU	3/8"	1/4"				
	3MXS24GVJU	3/8" 1/2" 5/8"	1/4"				
	4MXS32GVJU	3/8" 1/2" 5/8"	1/4"				
Flare conneLine size ad	 Flare connections at indoor and outdoor units Line size adaptors included 						
System can be installed with no brazing!							
 Small diameter piping means easier installation 							
Insulate each line separately!							
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Line Set Ch	arging		DAIKIN
 The best time to add reafter evacuation is com Close vacuum pump vagauges R-410A must be charge and weighed in RXS_LV additional RXG no additional All others, see tab 	efrigerant charge is imm oplete lve first, then close man ed as a liquid charge = .21 per foot charge allowed le below	nifold	R-410A
RXN/RKN_KE	Factory Charge	If line Set Exceeds 33 Feet Add	
9,000 Btu	1lb. 12 oz	.22 oz per foot	200
12,000 Btu	2lb. 3.2 oz	.22 oz per foot	
15,000 Btu	3lb. 12 oz	.22 oz per foot	1.0
18,000 Btu	3lb. 12 oz	.22 oz per foot	
24,000 BTU	3lb. 12 oz	.22 oz per foot	
Outdoor Unit Model No.	Factory Charge	If line Set Exceeds 98 Feet Add	600
2MXS18GVJU	5lb. 12 oz	.22 oz per foot	
Outdoor Unit Model No.	Factory Charge	If line Set Exceeds 131.5 Feet Add	
3MXS24 & 4MXS32GVJU	6lb. 13 oz	.22 oz per foot	
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RLC Wireless Rem	ote Controllers	DAIKIN
	ARC447	BRC7E830 Option
ARC452	FTXG_HVJU	
FTXN_KEVJU		
FDXS_LVJU		
FTXS_LVJU		
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21 - 11 -	Error Codes		Description
System	00	Normal	
	50×	Refrigerant shortage	
	U2	Low-voltage detection or o	over-voltage detection
	UY.	Signal transmission error (between indoor unit and outdoor unit)	
	80	Unspecified voltage (between indoor unit and outdoor unit)	
Indoor	81	Indoor unit PCB abnormality	
Unit.	85	Freeze-up protection control or heating peak-cut control	
	00	Fan motor or related abnormality	DC motor (FTXS series)
	no		AC motor (FDXS series)
	64	Indoor heat exchanger thermistor or related abnormality	
	23	Room temperature thermistor or related abnormality	

Outdoo	131	Outdoor unit PCB abnormality
Unit	85 *	OL activation (compressor overload)
	88*	Compressor lock
	£?*	DC fan lock
	83	Input overcurrent detection
	83	Four way valve abnormality
	83	Discharge pipe temperature control
	58	High pressure control in cooling
	NO	Compressor system sensor abnormality
	XS	Position sensor abnormality
		DC voltage / current sensor abnormality (09/12 class only)
	10	CT or related abnormality (24/30/36 class only)
	89	Outdoor temperature thermistor or related abnormality
	J3*	Discharge pipe thermistor or related abnormality
	JS	Outdoor heat exchanger thermistor or related abnormality
	:3	Electrical box temperature rise
	14	Radiation fin temperature rise
	tS★	Output overcurrent detection
	194	Radiation fin thermistor or related abnormality
	ยา	Signal transmission error on outdoor unit PCB (24/30/36 class only)





KEVJU, LVJU & Multi Series	
Trial operation and testing	
 Measure the supply voltage and make sure that it fails in the specified range. Trial operation should be carried out in either cooling or heating mode. 	
Trial operation from remote controller	
 Press ON/OFF button to turn on the system. Simultaneously press center of TEMP button and MODE button. Press MODE button twice. "τ" will appear on the display to indicate that Trial Operation mode is selected.) Trial operation mode terminates in approx. 30 minutes and switches into normal mode. To guit the trial operation, press ON/OFF button. 	
In cooling mode, select the lowest programmable temperature; in heating mode, select the highest programmable tempera- ture. • Trial operation may be disabled in either mode depending on the room temperature. • After trial operation is complete, set the temperature to a normal level (79°F (26°C) to 82°F (28°C) in cooling mode, 68°F (26°C) to 75°F (24°C) in heating mode). • For protection, the system disables restart operation for 3 minutes after it is turned off.	
3) Carry out the test operation in accordance with the Operation Manual to ensure that all functions and parts, are working properly. * The air conditioner requires a small amount of power in its standby mode. If the system is not to be used for some time after installation, shut off the circuit breaker to eliminate unnecessary power consumption. * If the circuit breaker trips to shut off the power to the air conditioner, the system will restore the original operation mode when the circuit breaker is turned on again.	
	Slie



Forced Operation (KEVJU)	N
 Indoor Units FTXN09KEVJU FTXN12KEVJU Using the indoor unit ON/OFF switch Press the indoor unit ON/OFF switch for at least 5 seconds. (Operation will start) Forced cooling operation will stop automatically after around 15 minutes. To force a trial operation to stop, press the indoor unit ON/OFF switch. Using the indoor unit's remote controller Press the ON/OFF button. (Operation will start) Press the TEMP button and the MODE button at the same time. Press the MODE button twice. (<i>T</i> will be displayed and the unit will enter trial operation) Press the MODE button to return the operation mode to cooling. Trial operation will stop automatically after around 30 minutes. To force a trial operation to stop, press the ON/OFF button. 	
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Plenum Rated Cables				
Model Name	Description	Applicable to		
DACA-ARCW901P10	IR Receiver Cable, Plenum Rated, 10ft	FDXS09,12DVJU		
DACA-ARCW901P25	IR Receiver Cable, Plenum Rated, 25ft	FDXS09,12DVJU		
DACA-BRCW901P10	Remote Controller Cable, Plenum Rated, 10ft	BRC944B2-A08		
DACA-BRCW901P25	Remote Controller Cable, Plenum Rated, 25ft	BRC944B2-A08		
		F		
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ModelDescriptionOptionApplicable indoor unitsARC447A3Wireless Remote ControllerQuaternityARC452Wireless Remote ControllerMini-Split, Multi-Split, SkyAir FTXSBRC944B2Wired Remote ControllerXDACA-TS1-1Daikin ENVi Intelligent ThermostatXRC94B2Interface Adapter for BRC944B2 and DACA-TS1-1XBRC1E72Navigation Remote Controller (wired)XBRC7E830Wireless Remote ControllerXKRP928BE2SDIII-NET AdapterXVerbase Plenum Rated CablesX	Summary of Controllers							
ModelDescriptionOptionApplicable indoor unitsARC447A3Wireless Remote ControllerQuaternityARC452Wireless Remote ControllerMini-Split, Multi-Split, SkyAir FTXSBRC944B2Wired Remote ControllerXDACA-TS1-1Daikin ENVi Intelligent ThermostatXRRP980B1Interface Adapter for BRC944B2 and DACA-TS1-1XBRC1E72Navigation Remote Controller (wired)XBRC7E830Wireless Remote ControllerXKRP980B1Remote SensorXMulti-Split FFQKRCS01-1BRemote SensorXKRP928BB25DIII-NET AdapterXPlenum Rated CablesX								
ARC447A3Wireless Remote ControllerQuaternityARC452Wireless Remote ControllerMini-Split, Multi-Split, SkyAir FTXSBRC944B2Wired Remote ControllerXMini-Split, Multi-Split, SkyAir FTXSDACA-TS1-1Daikin ENVI Intelligent ThermostatXMini-Split, Multi-Split, SkyAir FTXSKRP980B1Interface Adapter for BRC944B2 and DACA-TS1-1XMini-Split FTXN09/12BRC1E72Navigation Remote Controller (wired)XMulti-Split FFQBRC7E830Wireless Remote ControllerXMulti-Split FFQKRC928BE25DIII-NET AdapterXMulti-Split FFQFR0928BE25DIII-NET AdapterXMini-Split, Multi-Split, SkyAir FTXS	Model	Description	Option	Applicable indoor units				
ARC452Wireless Remote ControllerMini-Split, Multi-Split, SkyAir FTXSBRC944B2Wired Remote ControllerXMini-Split, Multi-Split, SkyAir FTXSDACA-TS1-1Daikin ENVi Intelligent ThermostatXMini-Split, Multi-Split, SkyAir FTXSKRP980B1Interface Adapter for BRC944B2 and DACA-TS1-1XMini-Split FTXN09/12BRC1E72Navigation Remote Controller (wired)XMulti-Split FFQBRC7E830Wireless Remote ControllerXMulti-Split FFQKRP928BB25DIII-NET AdapterXMini-Split, Multi-Split, SkyAir FTXSPlenum Rated CablesXMini-Split, Multi-Split, SkyAir FTXS	ARC447A3	Wireless Remote Controller		Quaternity				
BRC944B2Wired Remote ControllerXMini-Split, Multi-Split, SkyAir FTXSDACA-TS1-1Daikin ENVi Intelligent ThermostatXMini-Split, Multi-Split, SkyAir FTXSKRP980B1Interface Adapter for BRC944B2 and DACA-TS1-1XMini-Split FTXN09/12BRC1E72Navigation Remote Controller (wired)XMulti-Split FFQBRC7E830Wireless Remote ControllerXMulti-Split FFQKRC928BB25DIII-NET AdapterXMini-Split, Multi-Split, SkyAir FTXSKRP928BB25Plenum Rated CablesXMini-Split, Multi-Split, SkyAir FTXS	ARC452	Wireless Remote Controller		Mini-Split, Multi-Split, SkyAir FTXS				
DACA-TS1-1Daikin ENVi Intelligent ThermostatXMini-Split, Multi-Split, SkyAir FTXSKRP980B1Interface Adapter for BRC944B2 and DACA-TS1-1XMini-Split FTXN09/12BRC1E72Navigation Remote Controller (wired)XMulti-Split FFQBRC7E830Wireless Remote ControllerXMulti-Split FFQKRCS01-1BRemote SensorXMulti-Split FFQKRP928BE25DIII-NET AdapterXMini-Split, Multi-Split, SkyAir FTXSKRP928BE26Plenum Rated CablesXMini-Split, Multi-Split, SkyAir FTXS	BRC944B2	Wired Remote Controller	Х	Mini-Split, Multi-Split, SkyAir FTXS				
KRP980B1Interface Adapter for BRC944B2 and DACA-TS1-1XMini-Split FTXN09/12BRC1E72Navigation Remote Controller (wired)XMulti-Split FFQBRC7E830Wireless Remote ControllerXMulti-Split FFQKRCS01-1BRemote SensorXMulti-Split FFQKRP928BE25DIII-NET AdapterXMini-Split, Multi-Split, SkyAir FTXSPlenum Rated CablesXY	DACA-TS1-1	Daikin ENVi Intelligent Thermostat	х	Mini-Split, Multi-Split, SkyAir FTXS				
BRC1E72Navigation Remote Controller (wired)XMulti-Split FFQBRC7E830Wireless Remote ControllerXMulti-Split FFQKRCS01-1BRemote SensorXMulti-Split FFQKRP928B2SDIII-NET AdapterXMini-Split, Multi-Split, SkyAir FTXSPlenum Rated CablesX	KRP980B1	Interface Adapter for BRC944B2 and DACA-TS1-1	х	Mini-Split FTXN09/12				
BRC7E830 Wireless Remote Controller X Multi-Split FFQ KRCS01-1B Remote Sensor X Multi-Split FFQ KRP928BB2S DIII-NET Adapter X Mini-Split, Multi-Split, SkyAir FTXS Plenum Rated Cables X	BRC1E72	Navigation Remote Controller (wired)	х	Multi-Split FFQ				
KRCS01-1B Remote Sensor X Multi-Split FFQ KRP928BB2S DIII-NET Adapter X Mini-Split, Multi-Split, SkyAir FTXS Plenum Rated Cables X	BRC7E830	Wireless Remote Controller	Х	Multi-Split FFQ				
KRP928BB2S DIII-NET Adapter X Mini-Split, Multi-Split, SkyAir FTXS Plenum Rated Cables X	KRCS01-1B	Remote Sensor	Х	Multi-Split FFQ				
Plenum Rated Cables X	KRP928BB2S	DIII-NET Adapter	Х	Mini-Split, Multi-Split, SkyAir FTXS				
		Plenum Rated Cables	Х					

































Sι	immary of Sy	stem Se	ttings	V D	AIKIN
Slide #	Item	Keep Default Value	Default	Range	Increments
25	Min Cycle Off Time	х	240 Sec	240 to 900 sec	30 sec
26	Min Cycle On Time	х	3 Min	1 to 20 min	1 min
27	Min Outdoor Temp	х	Disabled	-10 to 65F	5F
28	Cool Differential Temp		0.5F	0.5 to 3F	0.5F
29	Cool Dissipation Time	х	0 Sec	0 to 900 sec	30 sec
30	AC Overcool Max		Disabled	0.5 to 3F	0.5F
31	Heat Differential Temp		0.5F	0.5 to 3F	0.5F
32	Heat Dissipation Time	х	0 Sec	0 to 900 sec	30 sec
33	Indoor Unit Temp Offset	Х	3.5F	0 to 5.5F	0.5F
34	HP to Aux Temp Delta *	х	Auto	1 to 10F	1F
35	HP to Aux Runtime *	Х	Auto	10 to 180 min	10 min
	* HP to Aux Temp Delta and	HP to Aux Runtin	ne are available	when Aux Heater is	installed.



















































































Configure	Sens	ors		VD	AIKIN
■ Menu ▶ Sen	sors 🕨	Configure			
By default	t tho Γ) Daikin ENIVi t	hormost	at's Internal Su	ansor is
- by uelaul	i, ine L			at s internal St	
used for a	an accu	irate indicati	on of the	e room tempe	rature
(recomme	ended	settings).			
Enable or	dicabl	o oach sons	or by colo	cting Intornal	Sonsor
	uisabi	e each sense	or by sele	cung miemai	Sensor
	-				
or Indoor	Unit a	nd then sele	cting Yes	or No.	
or Indoor	Unit a	nd then sele	cting Yes	or No.	
or Indoor	Unit a	nd then sele	cting Yes	or No.	
or Indoor _{Main}	Unit a	nd then sele	cting Yes	Centrol Config	uration
or Indoor	Unit a	nd then sele Sensor Re. *used in tem		Or NO. Control Config The average of select used	uration red sensors is
or Indoor	Unit a	Nd then sele Sensor Re- *used in tem Configure		Or NO. Control Config The average of select used	uration ted sensors is
Or Indoor Main Weekly Schedule Vacation	Unit a	Sensor Re- * used in term Configure Internal Temperature	dings scontrol	Or NO.	uration tect sensors is Yes p
Or Indoor Main A Weekly Schedule Vacation Settings	Unit a	Sensor Re- * used in tem Configure Internal Temperature Indoor Unit	control	Control Config The average of select used Internal Sensor Indoor Unit	uration red sensors is Yes ► No ►
Main Main Weekly Schedule Vacation Settings Reminders and Alerts	Unit a	Sensor Re- *used in tem Configure Internal Temperature Indoor Unit	octing Yes	Or NO. Control Config The average of select used Internal Sensor Indoor Unit	uration tech sensors is Yes P No P
Main Main Weekly Schedule Vacation Settings Reminders and Alerts About	Unit a	Nd then sele Sensor Re. *used in tem Configure Internal Temperature Indoor Unit	octing Yes	Or NO. Control Config The average of select used Internal Sensor Indoor Unit	uration tect sensors is Yes P No P
Aain Main Weekly Schedule Vacation Settings Reminders and Alerts About Sensors	Unit a	Sensor Re. Sensor Re. *used in tem Configure Internal Temperature Indoor Unit	octing Yes	Or NO. Control Config The average of select used Internal Sensor Indoor Unit	uration tect sensors is Yes ► No ►
Aain Main Weekly Schedule Vacation Settings Reminders and Alerts About Sensors	Unit a	Sensor Re. *used in term Configure Internal Temperature Indoor Unit	rcting Yes	Control Config The average of select used Internal Sensor Indoor Unit	uration tect sensors is Yes ► No ►
Or Indoor Main * Weekly Schedule Vacation Settings Reminders and Alerts About Sensors	Unit a	Sensor Re. *used in tem Configure Internal Temperature Indoor Unit	rcting Yes	Or NO. Control Config The average of select used Internal Sensor Indoor Unit	uration tect sensors is Yes ► No ►








Daikin ENVi Registration DAIKIN The Daikin ENVi must be registered by the home owner after installation. Note that the homeowner must have internet access and a Wi-Fi network to register the thermostat. Show the home owner how to follow these steps. Menu > Register Thermostat > Continue > WiFi Settings > WiFi Radio • The Daikin ENVi will use the local WiFi network to connect to www.DaikinENVi.com to complete the registration • When connected, the Daikin ENVi will display the registration code. Make a note of this code Using a computer, go to www.DaikinENVi.com Click the REGISTER YOUR THERMOSTAT link Click the Create a new account link Create a personal web portal using the home owner's email address Enter the 4 digit registration code Return to the Daikin ENVi thermostat and confirm the registration Return to the computer and complete the account information and click the Done button • Slide 68

































































































Display Mode	Detailed	Standard	Simple
Display image	Auto Cool Record Record Record Record Record Set to Cool 24 Record Record Set to Cool Record Re	Auto Set to Cool Cool 74r Heat70r	Auto Set to Cool Neat Cool 70r, 74r 2∎
On/Off status on LED (LED blinks when an erroris occurred)	х	х	х
Mode	X *1	X *1	X *1
Setpoint (Dual/Single)	X *2	X *2	X *2
Room temperature	Х		Х
Fan speed	X *3	X *3	X *3
Air flow direction (when a louver is available)	Х		
Day and Time	X *3		
Status icon	X *3	X *3	
Key lock icon	Х	Х	
Error massage	Х	Х	

Theme	Theme Everything No Mode Change		
LCD Display Image	Auto Sette 72, 72, 72, 72,	Auto Set for 72, 211 212 212 212 212 212 212 2	Auto Cool Set to 72, 72
Optional Face Decal Face Decal can be applied to Simple, Detailed, and Standard display mode		©r ● ● ●	Paisters
	BRC1E72RMF	BRC1E72RF	BRC1E72RM
1 Display mode - Simple (Main menu)	х	x	х
Display item - Room Temp (Main menu)	х	х	х
Single setpoint (Srv Menu → Min Setpoint Diff - Single SP)	x	х	х
Prohibit Menu/OK and Cancel buttons (Special sequence required)	x	х	х
Mode button prohibit (Srv menu → Prohibit functions → Prohibit button)		x	
Fan icon display off (Field Setting 1b-15-02) Fan button also prohibited			х
Off display instead of Mode while the unit is off (Field setting 1b-13-02)	x	x	х
Erase setpoint display while the unit is off (Field setting 1b-12-02)	x	x	х

	Dual Setpoint Display N	Aode w/Face	e Decal 🔽	DAIKIN
	Theme	Everything	No Mode Change	Fan Speed Fixed
	LCD Display Image	4500 3 10 74 70 74 €■_	Auto State TOL 74	Auto Cool Set to Heat Cool 70, 74, 74, 72
	Optional Face Decal Face Decal can be applied to Simple, Detailed, and Standard display mode	●: ○] ● ● ●	Preserve Pres	Passes
ľ'Ţ-	,	BRC1E72RMF2	BRC1E72RF2	BRC1E72RM2
М	Display mode - Simple (Main menu)	х	х	х
М	Display item - Room Temp (Main menu)	Х	х	х
м	Dual setpoint (Srv Menu → Min Setpoint Diff - 0 to 7F)	х	х	x
м	Prohibit Menu/OK and Cancel buttons (Special sequence required)	х	х	x
м	Mode button prohibit (Srv menu \rightarrow Prohibit functions \rightarrow Prohibit button)		х	
м	Fan icon display off (Field Setting 1b-15-02) Fan button also prohibited			x
0	Off display instead of Mode while the unit is off (Field setting 1b-13-02)	Х	х	х
0	Erase setpoint display while the unit is off (Field setting 1b-12-02)	Х	х	x
				-Slide 119



















First Code	Description	Second Code No. (N (Cells in bold are fac	ote 2) tory default settings)		
2	Priority of thermistor sensors for space temperature control	The return air thermistor is primary and the remote controller thermistor is secondary	02 Only the return air thermistor will be utilized.	Only the remote controller thermistor will be utilized.	-
5	Room temperature value reported to multizone controllers.	Return air thermistor	Thermistor designated by 10-2 above (Note 3)	-	
6	The remote controller thermistor is used in Remote Controller Group	No	Yes	-	(m)

Availability of	ndoor	Unit I	Field Se	ettings	(Control	Related)		As o	of 07/31	/2013	
Mode No.	1		10	0.000	1.5	12				· · · · · · · · · · · · · · · · · · ·	
First Code No.	2	10000	5	6	0	1	2 (****)	3		6	8
Second Code No.	01/02	03	01/02	01/02	01/03/04	01/02/03	01/02	01/02	03	01/02/03	01/02
XSQ_MVJU	X	Xm	X	X	X	X	X (02)	X	Xees	X···	n/a
XMQ_MVJU	X	X	X**	х	X	X	X (02)	X	X	X**	n/a
FXMQ72/96MVJU	X	X	X	X	X	X	X (02)	X	X	X	n/a
FXMQ_PVJU FBQ_PVJU	x	х	×	x	×	×	X (02)	x	x	x	n/a
ULVM_DCIX	X	X	X	X	×	X	X (02)	X	X	×*	n/a
FXTQ_PVJU FTQ_PAVJU FTQ_PBVJU	x	x	x	×	×	x	X (02)	x	x	x	n/a
BEQ_MVJLR1 (FXOQ)	x	x	x	x	x	×	X (02)	x	x	X	n/a
FXLQ MVJU	X	X**	X	X	X	X	X (02)	X	X	X	n/a
FXING MIVJU	X	X**	X**	X	X	X	X (02)	X	X	X**	n/a
FXAQ_MVJU FAQ_MVJU FAQ_PVJU	x	X**	X**	×	n/a	x	X (01)	x	X**	n/a	n/a
FXAQ PVJU	X	X	X	X	n/a	X	X (01)	X	X	n/a	nia
XZQ M7VJU	X	Xee	X**	X	X	X	X (01)	X	X···	X++	n/a
FXFQ_MVJU FCQ_MVJU FCQ_PVJU	x	n/a	nla	n/a	×	×	X (01)	x	n/a	n/a	n/a
FXFQ PVJU FCQ PAVJU	x	х	x	x	×	×	X (01)	x	x	x	x
FXHQ_MVJU FHQ_MVJU FHQ_PVJU	x	n/a	n/a	nia	x	×	X (01)	×	n/a	n/a	n/a

Mode	First	Description	Second Code No. IN	ote 21			
No.	Code		(Cells in bold are fac	tory default settings)	1.84	1.44	1. Field settings are
10(20)	2	Priority of thermistor sensors for space temperature control	The return air bermistor is primary and the remote controller thermistor is secondary.	Only the return air thermistor will be utilized.	Only the remote controller thermistor will be utilized.	-	normally applied to th entire remote control group, however if
	5	Room temperature value reported to multizone controllers	Return air thermotor	Thermistor designated by 10-2 above (Note 3)	+	-	in the remote control
	6	The remote controller thermistor is used in Ramote Controller Group	No	Yes	-	2	group require specific settings or for
12(22)	0	KRP1871 X1-X2 status output	Indoor unit Thermo- On/Off status	-	Indoor unit Operation On/Off status	Indoor unit Alarm status	settings have been
	1	Index unit T1-T2 input	Forced Off Closed Contact- indoor unit is forced off and Central Control icon is displayed. Unit cannot be kurmed on manually. Operations by central control oper Contact- indoor unit can resume normal operation. Unit must be furmed on manually or by Central control.	On/Off Closed Contact-Indoor unit is turned off. Upen Contact-Indoor unit is turned off. User trepcords to load command, i.e. unit care be turned on manually of by central control of control is described in prohibited Control is methicked by multipone controller.	External Protection Device Closed contact-Unit shall resume normal operation. Open contact-Unit shall shult down and entor.		established, utilize th mode number in parenthesis. 2. Any features not supported by the installed indoor unit v not be displayed. 3. When mode 10-2-01 i selected, only the retu air temperature value reported to the multi-
	*	deadband (Note 4)	29 (1C)	1F (0.5C)	99 	-	zone controller.
	3	Fan Speed in Heating Thermo-Off	u	User set	C#	7	4. The actual default
	6	Fan Speed in Cooling Thermo-Off	u	User set	Off	-	deadband value will
	8	Return air sensor	3C	None			depend upon the inde

Mode No.	First Code No.	Description	(Cells in bold are factory	default settings)		
46	,	CTANDDV inte	01	02 Nat Displayed	03	04
10	l'	STANDBY ICON	Start	Not Displayed		
	11	Day/Clock	Displayed	Not Displayed		
	12	Setpoint display while the unit is off	Displayed	Not Displayed		
	13	Mode display while the unit is off	Displayed	Display OFF instead of the mode		
	14	Fan Speed button configuration	Fan Speed	Fan ON/Auto (Fan LL in thermo-off) (Applicable to SkyAir only)	FAN ON/Auto (Fan Off in thermo-off) (Applicable to SkyAir only)	
	15	Fan icon display	Displayed	Not Displayed		
10		Thermistor sensor used for Auto-changeover and Setback control	Return Air Thermistor- return air temperature displayed on controller as room temperature	Remote Controller Thermistor – remote controller temperature displayed on controller as room temperature	-	-
	10	Temperature Sensor Offset	01: -5.4°F 02: -4.5°F (-3.0°C) (-2.5°C)	03: -3.6°F 04: -2.7°F (-2.0°C) (-1.5°C)	05: -1.8°F 06: -0.9°F (-1.0°C) (-0.5°C)	07: 0.0°F (0.0°C)
			13: +5.4°F 12: +4.5°F	11: +3.6°F 10: +2.7°F	09:+1.8°F 08:+0.9°F	
1e	2	Setback availability	N/A	Heating mode only	Cooling mode only	Cooling/ Heating modes
	4	Schedule and Auto- changeover enabled when multi-zone controller is detected (Note 1)	No	Yes		
	9	CENTRAL CONTROL icon	Not displayed	Displayed when under control by a multi-zone controller		
	10	Message when button pushed which has been prohibited by a multi-zone controller	Key lock icon blinks for 5 seconds	Message displayed on screen: "Under Centralized Control. Adjustments at the remote control are being restricted."		
	11 Auto changeover guard timer 15 min		15 min	30 min	60 min	90 min
	12	Auto changeover point	0.9 °F (0.5 °C)	1.8∘F (1.0 °C)	2.7°F (1.5°C)	3.6°F (2.0°C)
	13	Quick changeover point beyond the auto changeover	0.9 °F (0.5 °C)	1.8•F (1.0 °C)	2.7°F (1.5°C)	3.6°F (2.0°C)

Factory Default Field	d Sett	ings	-	DAIKIN
 BRC1E72 Field Setting - Factory Defa Do not change from the factory default v This table would be referred to confirm t field setting accidentally. 	ult Values value in the cell he default valu	s below hig e when you	ghlighted in u might have	grey. e changed the unnecessary
Mode N First Code No.	0. 1b	1c	1e	
0	02	02		
1	02	02	02	
2		02	01	
3		01		
4	04	02	01	
5	01	01	02	
6	01	01	02	
7	01	02	02	
8	05	01	02	
9	01	01	02	
10		07	02	
11	01	07	03	
12	01		01	
13	01		01	
14	01			
15	01			
				Slide 133

BRC1E7	BRC1E72 Sensor										
• To use only	• To use only BRC1E72 sensor, set field settings as 10-2-03, 10-5-02, & 1C-1-02										
 10-2-03, 10-5-02 availability Always available: FXMQ_P, FXTQ_P, FXAQ_P, FXFQ_P, FBQ_P, FTQ_P, FCQ_PA All _M series (except FXFQ, FXHQ, FCQ, FHQ) Manufactured after 9/1/2009: always available Manufactured before 9/1/2009: confirm if 10-2-03, 10-5-02 are available. Never available: FXFQ_MVJU, FXHQ_MVJU, FCQ_MVJU, FCQ_PVJU, FHQ_MVJU, FHQ_PVJU Set 10-2-02 and use Remote sensor (or Return air sensor) only Field setting – 10-2, 10-5 and 1C-1 settings are necessary 											
Which single sensor is used?	For indoor unit control (Cool/Dry/Heat VRV and thermo-on/off control)	For BRC1E72 control (Auto changeover and setback control)	For Multi-zone Control								
BRC1E72	10-2-03	1C-1-02 (default)	10-5-02	Recommended							
Remote sensor (or Return air sensor)	10-2-02 (it is always available)	1C-1-01	10-5-01 (default)								


























Indoor I	Unit Temperatures	DAIKIN
Service S Unit Stat • Applical units (F)	Settings > Indoor tus ble for P-series indoor XMQ_P, FXTQ_P)	Indoor Unit Status Unit No Th1: 72F Th5:F Th2: 27F Th6:F Th3: 32F Th4: 32F
Th #	Descr	iption
Th1	Return air sensor (Remote ser	nsor) temperature
Th2	Liquid line temperature	
Th3	Gas line temperature	
Th4	Discharge air temperature (FX	(MQ_P only)
Th5	Remote controller sensor temp	perature
THO	Temperature to be used for inc	door unit control















Plenum Ra	ted Cables	DAIKIN
Model Name	Description	Applicable to
DACA-ARCW901P10	IR Receiver Cable, Plenum Rated, 10ft	FDXS09,12DVJU
DACA-ARCW901P25	IR Receiver Cable, Plenum Rated, 25ft	FDXS09,12DVJU
DACA-BRCW901P10	Remote Controller Cable, Plenum Rated, 10ft	BRC944B2-A08
DACA-BRCW901P25	Remote Controller Cable, Plenum Rated, 25ft	BRC944B2-A08
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DAIKIN RLC Installation & Start Up PT-RLC-0113-TTK-01B Agenda

2013

Coffee/Continental Breakfast
Welcome, Logistics, Introductions, Etc.
Module 1.0: Introduction to Daikin
Module 2.0: Piping & R-410A
Break
Module 3.0: Four Wire Systems Product & Technology
Lunch
Module 4.0: Four Wire Systems Install & Start-up
Break
Module 5.0: RLC Remote Controllers