

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

MODEL COMPATIBILITY:

Compatible with R-32 VRV Indoor units: FXTA, FXFA, FXMA, FXSA, FXAA, FXZA
 Compatible with VRV and VRV Life™ Indoor unit models: FXAQ, FXDQ, FXEQ, FXFQ, FXHQ, FXLQ, FXMQ, FXMQ_MF, FXNQ, FXSQ, FXTQ, FXUQ, FXZQ, VAM, CXTQ
 Compatible with SkyAir indoor unit models: FAQ, FBQ, FCQ, FHQ, FTQ, FAA, FBA, FCA, FTA
 Compatible with Single and Multi-zone system indoor unit model: FFQ, FDMQ, FFA, FDMA, CDMA
 Compatible with Daikin NEXIO Max package units: DVH

SPECIFICATIONS:

Model	BRC1NRV72
Description	Navigation Remote Controller
Maximum Connections	16 indoor units
Communication Wire	18AWG-2, No polarity Stranded, Non-shielded
Total Wiring Length	1,640 ft. (500 m)
Communication Protocol	Daikin proprietary P1P2 protocol
Power	16VDC supplied by indoor unit (1.58VA maximum)
Comfort Setpoint Range	60 to 90 °F (16 to 32 °C)
Setback Setpoint Range	40 to 95 °F (5 to 35°C)
Operating Temp Range	14 to 122°F (-10 to 50°C)
Operating Humidity Range	75% or less (RH) (without condensation)
Dimensions (WxHxD)	4.72x4.72x0.75 inch (120x120x19 mm)
Weight (Mass)	0.42 lbs. (0.19 kg)

PRODUCT IMAGE:



Note: Three display formats available –
Detailed display shown

FEATURES:

- Up to 16 indoor units are controllable within one group
- Within one group, up to 2 Navigation Remote Controllers can be used, one as a main and one as a sub
 - The BRC1NRV72 controller cannot be combined with any other BRC-type controller models
 - The NRV controller cannot be assigned as a sub controller when paired with a non-NAV-type controller
- Backlit LCD display configurable in English, Spanish or French
- Temperature sensor built-in with configurable offset
- Display of Temperature and Setpoint in 1°F / °C increments
- Three configurable display options: Detailed, Standard and Simple



Submittal Data Sheet

BRC1NRV72 – Navigation Remote Controller

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- 7) Dual setpoints (independent cooling and heating setpoints) with configurable minimum setpoint differential or Single Setpoint (occupied period)
- 8) Setpoint range limit for cooling and heating modes
- 9) Independent cooling and heating setback setpoints (unoccupied period)
- 10) Auto changeover control with configurable primary and secondary changeover dead bands and guard timer
- 11) Dehum Cool* mode is available when connected to IDU that supports functionality. (Dry mode is not available)
 - a) Cooling operation is adjusted to increase dehumidification when required as determined by space humidity
 - b) Overcool is allowed to extend dehumidification operation
- 12) Individual louver position, dual louver position and auto draft prevention (prevents air blowing directly on occupants)*
- 13) Built-in 7 Days, Weekdays+Weekend, Weekdays+Sat+Sun, and Everyday schedules with up to 5 actions per day with independent cooling and heating or setback setpoints
- 14) Automatic Setback by occupancy sensor*
- 15) Automatic Off by occupancy sensor*
- 16) Configuration for Self-cleaning filter panel*
- 17) Automatic adjustment for Daylight Savings Time (DST)
- 18) 48-hour clock/calendar battery backup (protects schedule timing in cases of short-term power loss from indoor unit)
- 19) Real-time monitoring of system malfunctions with immediate display of unit in error and error code
- 20) The buttons on the remote controller are selectable by locking out the unwanted buttons
- 21) The operation modes can be restricted to provide only the desired mode(s) of operation
- 22) Display can be configured to only show "Off" and room temperature when indoor unit is turned off
- 23) To prevent unwanted changes, fan speed selection and display may be hidden
- 24) Override timer configurable in 10-minute increments (range: 10 minutes to 10 hours)
- 25) Enhanced error monitoring for R32 VRV Indoor units
- 26) Supports addressing scheme of D3-NET and the new addressing scheme of D4-NET
- 27) Additional NEXIO Max features:
 - a) CO2 Setpoint and Monitoring with trend graph for demand-controlled ventilation *
 - b) Humidity display and setpoint with hot gas reheat option
 - c) Title 24 Economizer setpoints
 - d) Optimum start/stop
 - e) Static pressure setpoint for Multi-zone VAV
 - f) Discharge air temperature setpoint for Multi-zone VAV
 - g) Fan speed control for Single-zone and Multi-zone VAV

*Requires support by unit.

DAIKIN COMFORT TECHNOLOGIES NORTH AMERICA, INC.

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Rev.2608

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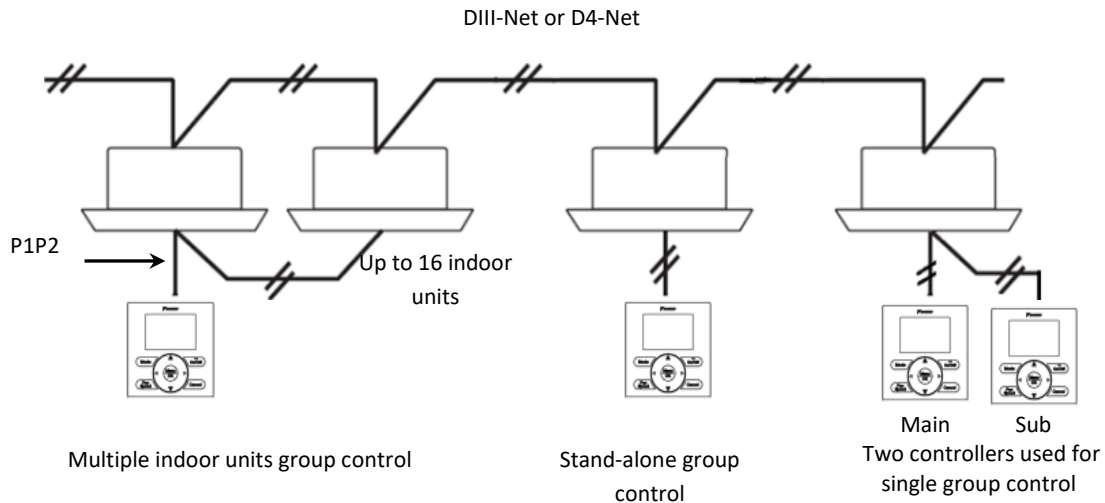
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SYSTEM DIAGRAM:



FACE DECAL OPTIONS:

Face decal options are used to hide unnecessary buttons:

1. The face decal is designed to adhere to the faceplate
2. Hidden buttons can be accessed by service personnel without removing the face decal due to its flexibility



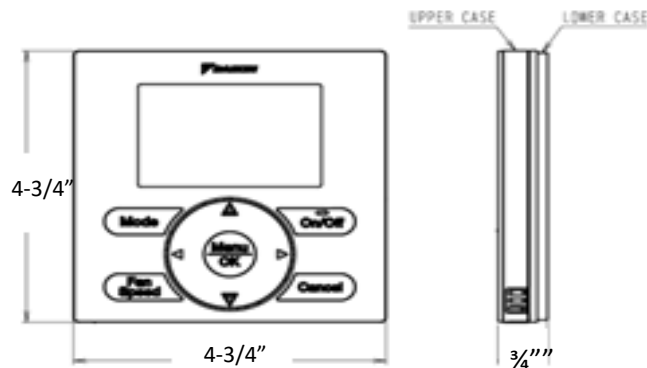
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Used with	Single Setpoint mode			Dual Setpoint mode		
	BRC1E72RM	BRC1E72RF	BRC1E72RMF	BRC1E72RM2	BRC1E72RF2	BRC1E72RMF2
Model						
On/Off	X	X	X	X	X	X
Mode	X		X	X		X
Fan		X	X		X	X
Up, Down	X	X	X	X	X	X
Left, Right				X	X	X
Menu/Ok						
Cancel						

DIMENSIONS:



DOCUMENTATION:

Documentation available on www.daikincity.com and/or www.daikincomfort.com:

- Installation Manual
- Operation Manual
- Submittal
- Guide Specifications

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