

Project Name:

Location:

Engineer:

Submitted to:

Submitted by:

Reference:

Approval:

Date:

Construction:

Unit #:

Drawing #:

### MODEL COMPATIBILITY:

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

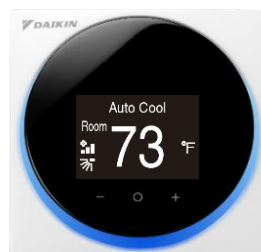
Compatible with SkyAir indoor unit models: FAQ, FBQ, FCQ, FHQ, FTQ

Compatible with Single and Multi-zone system indoor unit model: FFQ, FDMQ

### SPECIFICATIONS:

<b>Model</b>	BRC1H71W
<b>Description</b>	Madoka Remote Controller
<b>Maximum Connections</b>	16 indoor units
<b>Communication Wire</b>	18AWG-2, No polarity Stranded, Non-shielded
<b>Total Wiring Length</b>	1,640 ft. (500 m)
<b>Communication Protocol</b>	Daikin proprietary P1P2 protocol
<b>Power</b>	16VDC supplied by indoor unit (1.58VA maximum)
<b>Comfort Setpoint Range</b>	60 to 90 °F (16 to 32 °C)
<b>Setback Setpoint Range</b>	40 to 95 °F (5 to 35°C)
<b>Operating Humidity Range</b>	75% or less (RH) (without condensation)
<b>Dimensions</b>	3.35 x 3.35 x 0.98 (inches) 85 x 85 x 25 (mm)
<b>Weight</b>	0.42 lbs. (0.19 kg)

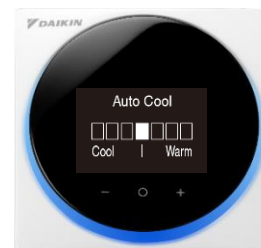
### PRODUCT IMAGE:



Text Display Mode



Icon Display Mode



Scale (Text) Display Mode



Scale (Icon) Display Mode

### FEATURES:

- Compact and stylish design
  - Configurable LED light ring (Dimmable/Off) and LCD brightness
  - Simple and Intuitive touch buttons and a physical On/Off button
  - Selective Display Mode: Text display, Icon display, Scale (Text) display, and Scale (Icon) display
  - Display of Temperature and Setpoint in 1°F / °C increments
  - Customizable display to show selected information only
- Connectivity
  - Up to 16 indoor units can be controlled together within one remote controller group
  - Within one remote controller group, up to 2 Madoka Remote Controllers can be used, one as a main and one as a sub
- Leveled user authority
  - 3 levels at the controller: user, administrator/owner, and installer

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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- Configurable passwords to access administrator/owner and installer menu in the controller
  - 2 levels at the App: administrator/owner and installer
- Bluetooth quick configuration app available for both Administrator and Installer
  - Can manually set multiple settings at the same time
  - Can create and save pre-configuration files
- Advanced indoor unit control:
  - Temperature sensor built-in with configurable offset
  - Dual setpoints (independent cooling and heating setpoints) with configurable minimum setpoint differential or Single Setpoint (occupied period)
  - Setpoint range limit for cooling and heating modes
  - Independent cooling and heating setback setpoints (unoccupied period)
  - Auto changeover control with configurable primary and secondary changeover dead bands and guard timer
  - Airflow – Individual air flow direction, dual airflow and auto draft prevention (prevents air blowing directly on occupants) \*
  - Automatic Setback by occupancy sensor\*
  - Automatic Off by occupancy sensor\*
  - Configuration for Self-cleaning filter panel\*\*
  - Real-time monitoring of system malfunctions with immediate display of unit in error and error code
  - Remote controller function prohibition: mode (or prohibit specific modes), fan speed, setpoint
- Advanced features
  - Supported language: English, Spanish or French
  - Automatic adjustment for Daylight Savings Time (DST)
  - 48-hour clock/calendar battery backup
- Mounting
  - Can mount to a drywall or an electrical component box
  - Mounting plates and screws are included

\* Available for FXFQ\_TVJU, FXUQ\_PVJU, and FXZQ\_TA indoor units

\*\*Available for FXFQ\_TVJU indoor units

### SYSTEM DIAGRAM:



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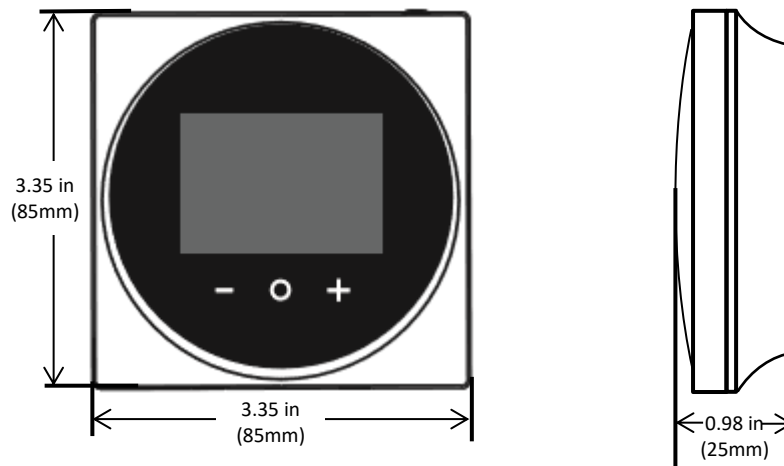
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### DIMENSIONS:



### DOCUMENTATION:

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

- Installation Manual
- Operation Manual
- App User Manual
- Submittal
- Written Guide Specs
- Quick User Guide
- Field Setting Table