

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

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:

Model	BRC1H71W
Description	Madoka 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 Humidity Range	75% or less (RH) (without condensation)
Dimensions	3.35 x 3.35 x 0.98 (inches) 85 x 85 x 25 (mm)
Weight	0.42 lbs. (0.19 kg)

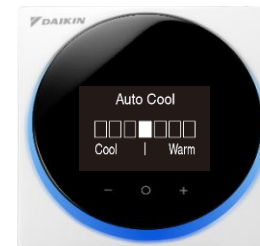
PRODUCT IMAGE:



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 www.daikincity.com

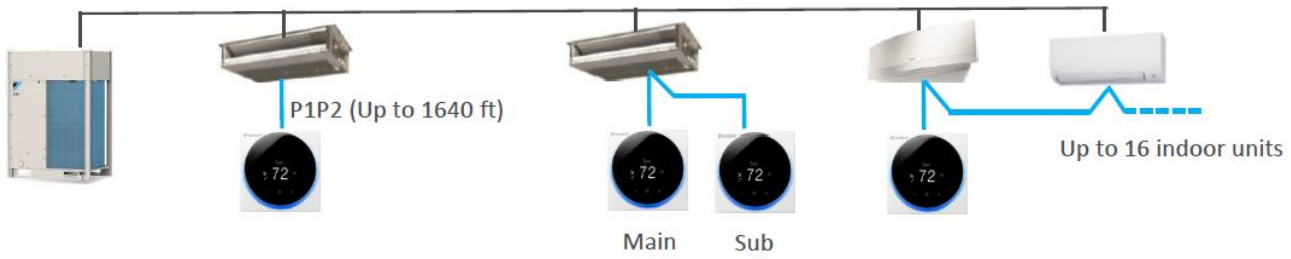
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- Configurable passwords to access administrator/owner and installer menu in the controller
- 2 levels at the App: administrator/owner and installer
- Bluetooth quick configuration app available for both Administrator and Installer
 - Can manually 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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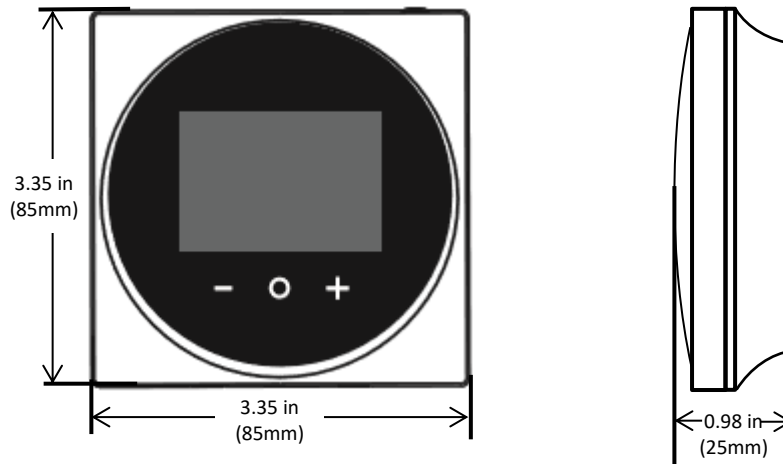
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DIMENSIONS:



DOCUMENTATION:

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

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

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