

Project Name: _____

Location: _____

Engineer: _____

Submitted to: _____

Submitted by: _____

Reference: _____

Approval: _____

Date: _____

Construction: _____

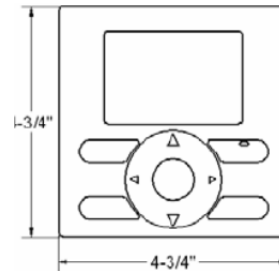
Unit #: _____

Drawing #: _____

For use with the following VRV indoor unit model: FXFQ_TVJU

Model	BRC1E52A7
Description	Navigation Controller
Maximum Indoor Units	16
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 104 °F (5 to 40°C)
Operating Temp Range	14 to 122°F (-10 to 50°C)
Operating Humidity Range	75% or less (w/o condensation)
Dimensions (WxHxD)	4.72x4.72x0.75 inch (120x120x19 mm)
Weight (Mass)	0.42 lb (0.19 kg)

VRV SYSTEM
THE INTELLIGENT AIR CONDITIONING SYSTEM



Features / Benefits:

- Up to 16 indoor units are controllable in one group
- Can be combined with a secondary controller for dual operation
- Backlit LCD display in English, French, Spanish, Dutch, Italian, Portuguese, Turkish, Polish, Netherlands, Greek, Russian
- Temperature sensor
- Display of Temperature and Setpoint in 1°F / °C increments
- Two display modes Detailed and Standard
- Dual setpoints (individual cooling and heating setpoints) with minimum setpoint differential (occupied period)
- Setpoint range limits for Cooling and Heating
- Independent cool/heat setback setpoints (unoccupied period)
- Auto changeover mode can automatically change to cool/heat mode at setpoint +/-1° F with a guard timer for 15, 30, 60 or 90 min.
- Built in 7 day schedule with up to 5 actions per day with independent cool/heat or setback setpoints
 - Up to 3 separate 7 day schedules can be set
 - Holiday schedule to override 7 day schedule
- Button lockout – Up/Down/L/R, On/Off, Mode, Fan Speed, Menu, Cancel
- Automatic adjustment for Daylight Savings Time (DST)
- 12/24 hour clock display
- 48 hour clock/calendar backup (in case of power failure)
- Constantly monitors the system for malfunctions with immediate display of fault location and condition
- Individual louver airflow setting
- Indoor unit occupancy sensing setting
- Indoor unit self-cleaning filter setting – Not available on VRV-S

Daikin North America LLC, 5151 San Felipe Suite 500, Houston, TX 77056

Daikin North America LLC Controls Engineering Department Generated Submittal Data

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Face Decal Options:

- Face decal options to hide unfamiliar button icons
 - Hidden buttons can be used/accessed by service personnel without removing the face decal due to its flexibility



Used with	Single Setpoint mode BRC1E72RMF	Dual Setpoint mode BRC1E72RFM2
Model		
On/Off	X	X
Model	X	X
Fan	X	X
Up,Down	X	X
Left,Right		X
Menu/Ok		
Cancel		

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(Daikin's products are subject to continuous improvements. Daikin reserves the right to modify product design, specifications and information in this data sheet without notice and without incurring any obligations)