

Project Name:

Location:

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### 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, CXTQ, VAM

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

Compatible with Single Zone/Multi Zone/SkyAir system indoor unit models:

- FDMQ, FFQ\_Q
- FFQ\_LVJU with the use of the Interface Adaptor DTA112BA51
- FTXS, CTXS, CTXG, FTXG, FDXS, CDXS, FVXS with the use of the DIII-Net Adapter KRP928BB2S
- FTX, FTXN, FTK, and FTKN with the use of the DIII-Net Adapter KRP928BB2S and an Interface adaptor KRP067A41E/KRP980B1/KRP980B2E

### SPECIFICATIONS:

Model	DCS601C71	DCS601A72
Description	intelligent Touch Controller (ITC)	DIII-Net Plus Adaptor
Maximum Indoor Unit Groups:	64	64
Max Indoor Units:	128	128
Max Outdoor Units:	10	10
System Total	128 Indoor Unit Groups (256 Indoor Units)	
Power Supply (Externally supplied):	24 VAC, 50/60 Hz	24 VAC, 60 Hz
Power Consumption:	10 Watts	5 Watts
Operating Temp Range:	32-104°F	14 - 104°F
Operating Humidity Range:	85% or less (w/o condensation)	20%-90% (w/o condensation)
Dimensions (WxHxD):	5.78 x 9.06 x 4.22 in.	7.47 x 6.19 x 1.66 in.
Certifications:	FCC Part 15 Class B	
DIII-NET Systems:	1	1
RJ-45 (Ethernet) 10Base-T	1	N/A
RS232C	1	1
PCMCIA Slot	1	N/A
Digital Input forced shutdown of all indoor unit systems	1 (max. current input 10mA)	N/A
Pulse Input Terminals (for PPD Option):	3 x 1 pulse at 1 or 10 kWh at 100 ms interval	3 x 1 pulse at 1 or 10 kWh at 40-400 ms interval

### PRODUCT IMAGE:



ITC



DIII-Net Plus Adaptor (Optional)

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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# Submittal Data Sheet

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## OPTIONS:

- **Software Options:**
  - Web/Email Software Option (DCS004A71)
  - Power Proportional Distribution (PPD) Option (DCS002A71)<sup>(1)</sup>
  - HTTP Option (DCS007A51)
- **Hardware Options:**
  - DIII-Net Plus Adapter (DCS601A72) for expanding indoor unit groups up to 512 groups (1024 indoor units)
  - Installation Box for wall-mounted applications (KJB411A)
  - Digital Input (DEC101A51-US2) for monitoring of external equipment
  - Digital Input/Output (DEC102A51-US2) for controlling/monitoring of external equipment

Notes:

- (1) The Power Proportional Distribution (PPD) option supplies the user with a reasonably calculated apportionment of the total power consumption by the Daikin air-conditioning system to individual units on the system. Because input to the PPD includes measured pulses in the refrigerant system and because the air-conditioning system includes a number of variables, to include operating temperatures and pressures, piping lengths, heat exchange rates and others, no meter-type apportionment of individual user's consumption can be made. However, the PPD feature provides an apportionment methodology that uses highly advanced technology as applied to the many variables in the air-conditioning system.

## FEATURES:

- **Management size**
  - The iTC can manage one DIII-Net system which can have up to 64 indoor unit groups (128 indoor units)
  - The iTC can manage up to 2 DIII-Net systems with the addition of the DIII-Net Plus Adapter: up to 128 indoor unit groups/256 indoor units
- **Control/monitoring**
  - Advanced zone level control
  - Independent Cool and Heat setpoints
  - Independent Cool and Heat Setback setpoints (unoccupied)
  - Setpoint range limitation
  - Room temperature displayed in 0.1°F
  - Scheduling: 7, 5+2, 5+1+1 weekly patterns
  - Auto-changeover: Fixed, Individual, Average
  - Multiple language (English, French, Spanish, Italian, German)
- **Building facilities management**
  - Digital Input (DEC101A51-US2) for monitoring of external equipment
  - Digital Input/Output (DEC102A51-US2) for controlling/monitoring of external equipment
  - Simple interlock
  - History function
- **Web accessibility (Optional)**
  - Web and Alert Email function with software option (DCS004A71)
- **Tenant billing (Optional)**
  - Determines energy consumption of individual indoor unit with software option (DCS002A71)
- **Building management system integration (Optional)**
  - To be integrated with building management system with HTTP option (DCS007A51)

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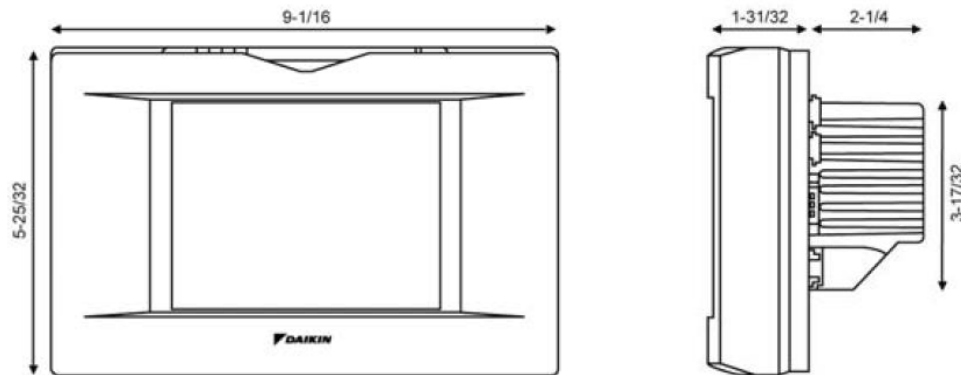
Drawing #: \_\_\_\_\_

### WIRING SPECIFICATION:

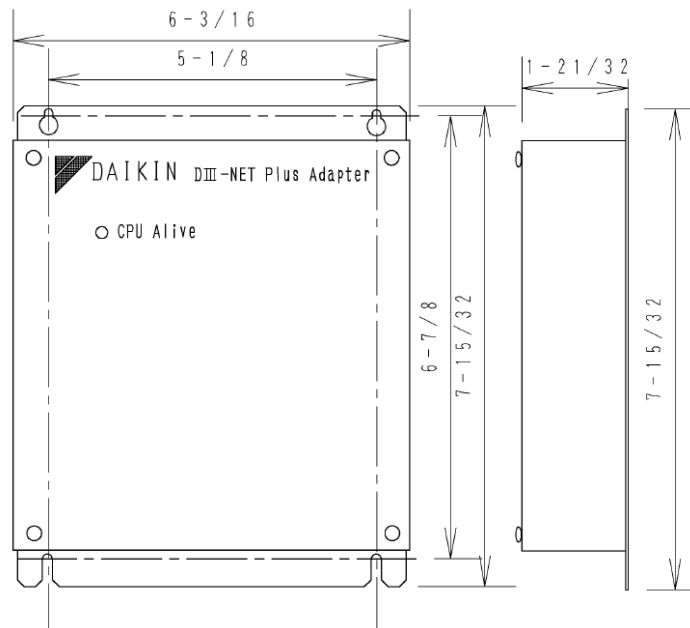
Specifications of Communication Cabling	
<b>Type</b>	2-conductor, stranded, non-shielded copper cable / PVC or vinyl jacket
<b>Size</b>	AWG 18-2
<b>Total Length</b>	Maximum wiring distance between units 3,280 ft. Total wire length 6,560 ft.

### DIMENSIONS:

iTC:



DIII-Net Plus Adaptor:



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## DOCUMENTATION:

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

- Submittal
- Sales Brochure
- Guide Specs
- Installation Manuals
- Operation Manuals

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