Submittal Data Sheet

DTA116A51 – DIII-Net/Modbus Adapter

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

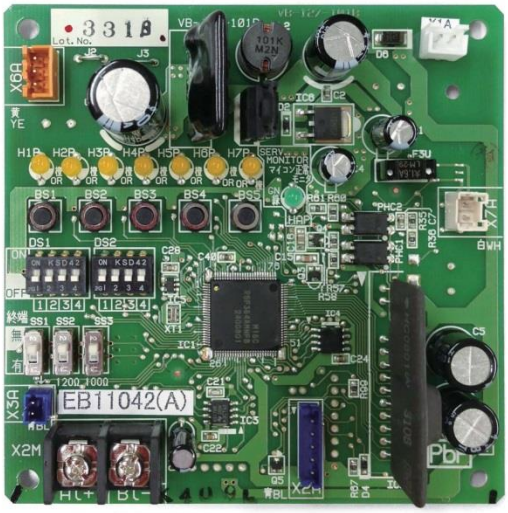
Model Compatibility:

For use with the following VRV outdoor unit models: RXYQ_TTJU, RXYQ_TYDN, RXMQ_PVJU
Compatible with all VRV indoor unit models to include SkyAir models: FAQ, FBQ, FCQ, FHQ and FTQ
For use with the following Daikin Ductless indoor unit models: CDXS, CTXS, FDXS, FTXS, FTXN (FTXN requires KRP980B1/2 interface adapter) with the use of the KRP928BB2S (DIII-Net Adapter)

Specifications:

Model	DTA116A51
Description	DIII-Net/Modbus Adapter
Maximum Connections	16 Indoor Units / 2 Outdoor Units
Communication Wire (DIII-Net)	DIII-Net - 18AWG-2, No polarity Stranded, Non-shielded
Communication Wire (Modbus)	16-18 AWG, polarity
Total Wiring Length (DIII-Net)	1,640 ft. (500 m)
Total Wiring Length (Modbus)	1,640 ft. (500 m)
Communication Protocol	Modbus RTU (RS485) / DIII-Net
Communication Speed (Modbus)	9600/19200bps
Data Length	8 bit
Modbus Address range	1 - 15
Power	16VDC supplied by Outdoor Unit* (1.58VA maximum)
Operating Temp Range	-4 to 149°F (-20 to 65°C)
Operating Humidity Range	95% or less (RH) (w/o condensation)
Dimensions (WxHxD)	3.94 x 3.94 inch (100 x 100 mm)
Weight (Mass)	0.18 lbs. (80 g)

Product Image:



DTA116A51

Functions:

Monitor

1. On/Off Status
2. Operation mode – Cool, Heat, Dry, Fan, Auto
3. Indoor unit setpoint (Celsius)
4. Room temperature (Celsius)
5. Louver direction
6. Fan speed
7. Forced off status of the indoor unit
8. Errors
9. Filter sign display
10. Communication status (normal/error) of indoor unit

Control

1. On/Off
2. Operation Mode – Cool, Heat, Dry, Fan, Auto
3. Setpoint – Cool/Heat setpoint (single setpoint)
4. Louver direction
5. Fan speed
6. Filter sign reset

System information

1. Connected indoor units – DIII-Net address of connected indoor units

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*Notes:

1. Outdoor unit models not listed above will require a separate 16 VDC field supplied power supply and mounting box.
2. For outdoor units not listed above the adapter may be mounted in the indoor unit and used to provide 16 VDC to the adapter.

Function Compatibility:

Function		VRV	SkyAir	Mini-Split and SkyAir using the KRP928BB2S
Monitoring	On/Off	X	X	X
	Operation Mode	X	X	X
	Setpoint	X	X	X
	Room Temperature	X	X	X
	Louver Direction	X	X	
	Fan Speed	X	X	
	Forced Off for indoor unit	X	X	
	Errors	X	X	X
	Filter Sign Display	X	X	
	Communication status	X	X	
Control	On/Off	X	X	X
	Operation Mode	X	X	X
	Setpoint	X	X	X
	Louver Direction	X	X	
	Fan Speed	X	X	
	Filter Sign Reset	X	X	

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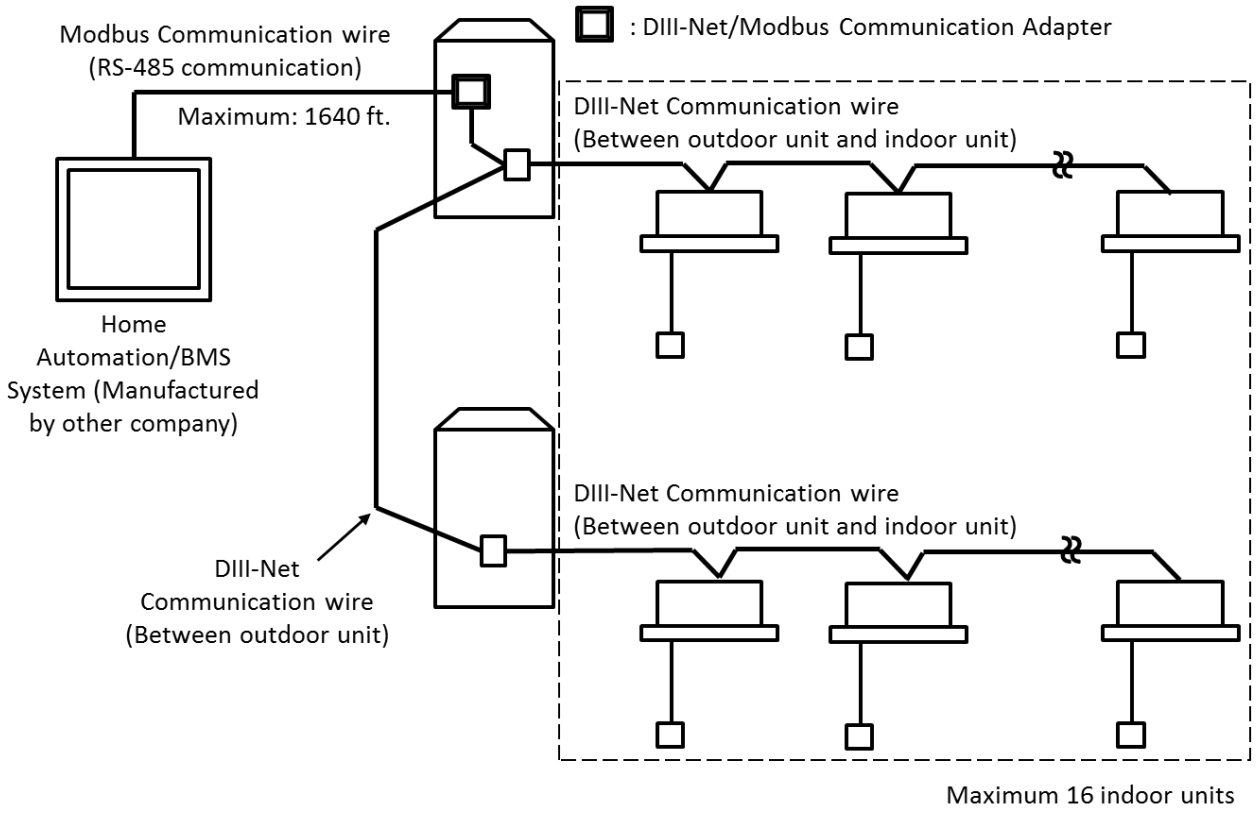
Wiring Diagram:



Documentation:

Documentation available on www.daikincity.com or www.daikinac.com

- Installation Manual
- Engineering Guide
- Submittal
- Guide Specification