

Job Name: _____
 Location: _____
 Engineer: _____
 Submitted to: _____
 Submitted by: _____
 Reference: _____

Date: _____
 Approval: _____
 Construction: _____
 Unit #: _____
 Drawing #: _____



General Features

The Network Converter is used to control and monitor one or multiple Halcyon mini-split indoor units through the Airstage VRF Central Controllers.

Features

- Central control of the Halcyon indoor units through the VRF system.
- Up to 100 Network Converters can be connected to a single VRF network.
- Direct connection to the mini-split indoor units. No external power supply is required. The converter can be powered through the indoor unit 12V output.
- Connectable to both types of 2-wire and 3-wire remote controllers.
- Can control Start/Stop, operation mode, temperature setting and fan speed. Temperature sensor reading is not communicated.
- Compact and light design. Reduced installation space needed.

Halcyon Compatible Indoor Units

ASU9RLS3, ASU12RLS3, ASU15RLS3, ASU9RLS3Y, ASU12RLS3Y, ASU15RLS3Y, ASU7RLF, ASU9RLF, ASU12RLF, ASU18RLF, ASU24RLF, ASU7RLF1, ASU9RLF1, ASU12RLF1, AGU9RLF, AGU12RLF, AGU15RLF, ASU18RLB, ASU24RLB, ASU30RLXB, ASU36RLXB, ASU30RLXEH, AUU7RLF, AUU9RLF, AUU12RLF, AUU18RLF, ARU7RLF, ARU9RLF, ARU12RLF, ARU18RLF, ARU24RLF

Electrical

Power Supply DC (V) 12
 Power consumption W Max 2
 VRF Network Wire AWG (mm²) 22 (0.33)
 LEVEL 4 (NEMA) Nonpolar 2 core sheathed twisted pair cable
 Remote controller cable 22 to 16 (0.33 to 1.25)
 sheathed PVC cable

Temperature

Operating Temperature Range °F (°C) 32 - 115 (0 ~ 46)
 Storage Temperature Range °F (°C) 14 - 140 (-10 ~ 60)
 Humidity range (%) 0 - 95(no condensation)

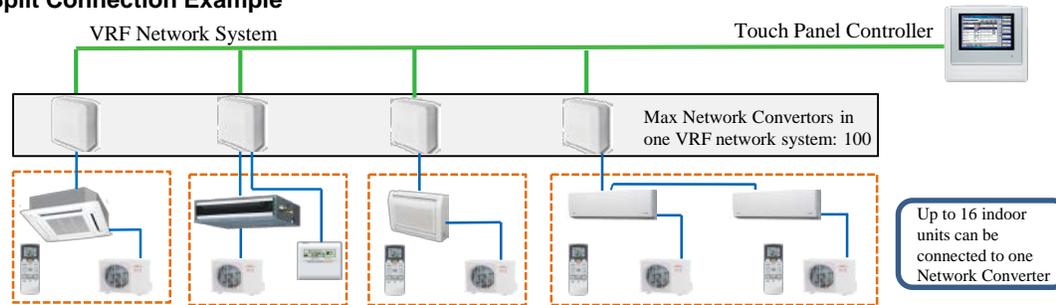
Weight and Dimensions

Weight lbs.(g) 0.5 (230)
 Dim.Net (HxWxD) in(mm) 5-1/2x4-5/8x1-9/16
 (140x117x40)

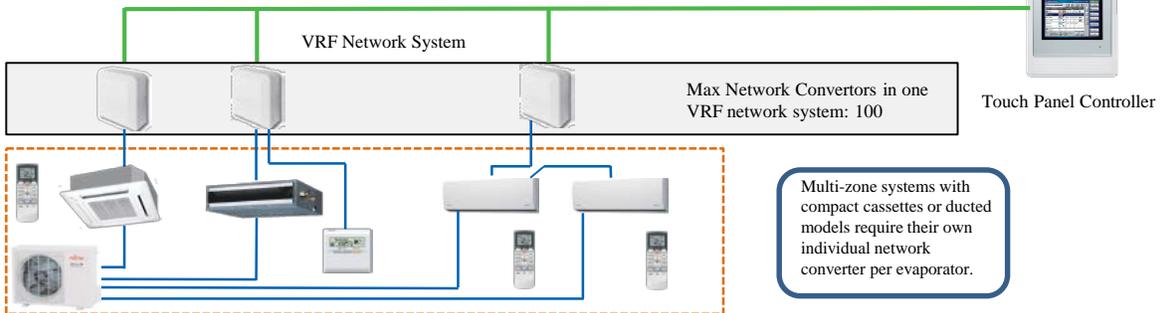
Connections

Maximum Network Converters in a single VRF system 100
 Maximum single indoor units per Network Converter 16
 Maximum remote controllers per Network Converter 1

Mini-Split Connection Example



Multi-Split Connection Example



Network Converter Functions

Model name	UTY-VTGX			
	Polar 3-wire		Non-polar 2-wire	
Single units connection wired type	Central management device	Wired remote controller	Central management device	Wired remote controller
Control unit	●	●	●	●
Start/Stop	●	●	●	●
Temperature control	(Set point range by 2°F (1°C))	(Set point range by 2°F (1°C))	(Set point range by 1°F (0.5°C))	(Set point range by 1°F (0.5°C))
Operation mode	●	●	●	●
Up/down air direction flap setting	-	●	●	●
Right/left air direction flap setting	-	●	●	●
Fan control	●	●	●	●
Lock the remote controller function	●*	●*	●	●
Monitoring errors	●**	●	●	●

Content restrictions:

* Remote controller is locked (cannot be used).

** Monitoring errors are limited. Visit website for more details.

● Supported function

Dimensions

