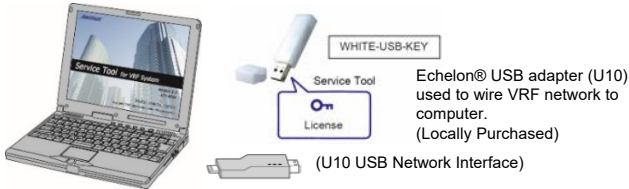


Submittal UTY-ASGXZ1

Service Tool for VRF System

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

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



Package includes

- Software CD
- USB-Key with Security key (White)

Unlike the older Green USB-Key, White the USB-Key can be used in two ways:

1. The license can stay in the white USB-Key and be used on multiple PCs as with the older Green USB-Key. This allows the software to be used on multiple PCs.
2. After installing the software, the license can be installed on a single PC. In this case, no other PC shall use the software. The license can be transferred to another PC using the USB-Key (White). Up to a maximum of two license transfers between PCs can be achieved.

Connections

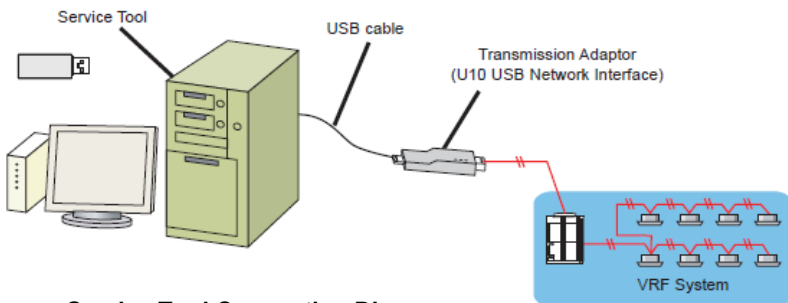
Max. Outdoor Units monitoring per system	100
Max. Indoor Units monitoring per system	400
Max. VRF systems monitoring	4
Max. Outdoor Units monitoring for 4 systems	400
Max. Indoor Units monitoring for 4 systems	1,600

General Features

The Service Tool is a Microsoft Windows based software that displays the VRF system parameters in an easy-to-understand format. It is used for monitoring, control and troubleshooting of the VRF System. It provides data comparison capability as well as cloud based remote control and monitoring.

Features

- Displays live graphical trends of a large number of sensors for easy monitoring and diagnoses. These trends include temperature, pressure, compressor speed and more.
- Provides remote cloud based web monitoring, control and diagnoses.
- Built-in automatic software update.
- Automatic test run and self-diagnosis of each Airstage system that is used to verify system performance. The data is then used to generate a PDF commissioning report.
- Can be used to manually store up to 30 days of continuous data for diagnostics.
- Capable of comparing graphical data trends from two different offline data files.
- Reads Errors and provides error reference codes.
- Network Topology Analyzer.
- System Time Setting



Service Tool Connection Diagram



Multiple Display Graphs

Service Tool for VRF System

Service Tool Features

Item	Service Tool : UTY-ASGXZ1	
	Onsite (VRF System)	Offsite (Remote)
Interchangeability of Equipment	•	•
Equipment List	•	•
Operation Control	•	•
Refrigerant Circuit Diagram	•	•
Commissioning tool	•	•
Storage and CSV Output of Operating History (sensor data)	•	•
Trend Graph	•	•
Printing of Trend Graph	•	•
Highlight Sensor Readings outside design range	•	•
Network Topology Analyzer	•	•
Remote Setting	•	•
System Time Setting	•	•
Central Release	•	•
Model Name Writer	•	•
Error Memory Reader	•	•
Time Guard Information	•	•
Automatic Test Run and Self Diagnosis	•	•
Multiple Graphs Display	•	•
Automatic Update of Software	•	•

Recommended specifications for the PC

For VRF Side PC (Server)

Operating System	<ul style="list-style-type: none"> • Microsoft® Windows® 7 SP1 (32/64-bit) Professional • Microsoft® Windows® 8.1 (32/64-bit) Pro • Microsoft® Windows® 10 (32/64-bit) Pro
CPU	1GHz or higher
Memory	1GB or more (Windows® 7, 8.1, 10 32-bit) 2GB or more (Windows® 7, 8.1, 10 64-bit)
HDD	40GB or more of free space
Display	1366 x 768 or higher resolution
Interface	2x USB ports. One for U10 USB Network Interface. A second for USB-Key.
Software Required	Adobe® Reader® 9.0 or later

For Remote Side PC (Client)

Web browser	IE11, Microsoft Edge recommended
Display	1366 x 768 or higher resolution (Set the resolution before use so that the resolution of remote operating PC monitor screen is higher than that of local side PC.)