

Verify Your VRV Addressing and Connectivity With Ease

A VRV system network contains an ocean of points and devices, with a complex network of addresses between IDUs and ODUs. Verifying that work has been done correctly can be extremely difficult without manually checking every thermostat on-site.

With Turntide, you can quickly verify and validate VRV addressing on your job site – directly in the application. Empower your technicians to hand off VRV projects to the end customer with utmost confidence – knowing everything has been connected correctly, ready to deliver comfort to the building.

The Solution: DIII-Net Analyzer

DIII-NET Analyzer is located in the Diagnostics function in the Turntide Hub user interface, to help ensure your VRV addressing is done correctly.



Key Benefits



Identify Duplicate Group and Airnet Addresses

Determine if there are duplicate addresses and take corrective action



Confirm IDU and ODU Communication

Check Network health and ensure IDU and ODU are actively communicating and



Confirm IDU and ODU Address Connections

Ensure accurate IDU and ODU communications

How It Works

Topology Network

USB 1.1 USB 1.2 USB 1.3 USB 1.4

Rebuild Network

Duplicate Group Address: 1 found
Group address 1.00
• Airmet 46
• Airmet 2

Duplicate Airmet Address: None

Unaddressed IDUs: None

USB 1.1 (ODUs: 7 IDUs: 49)

Expand all	Airmet Address	Model #	Last communication	IDU Count
ODU Airmet 48	48	RELQ324TAYCA	4s	9
> 3.00	34	FXTQ48TAVJUA(D)	2s	
> 3.01	35	FXSQ30PVE	59s	
> 3.02	36	FXSQ24PVE	1s	
> 3.03	37	FXTQ54TAVJUA(D)	58s	

Identify Anomalies

In the main screen of DIII-NET Analyzer, you'll be able to quickly identify unaddressed and/or duplicate addresses and make corrective actions

Topology Network

View by USB | View by ODU

Online Offline Duplicate Not installed

USB 1.1 IDUs: 43

1.00	1.01	1.02	1.03	1.04	1.05	1.06	1.07	1.08	1.09	1.10	1.11	1.12	1.13	1.14	1.15
2.00	2.01	2.02	2.03	2.04	2.05	2.06	2.07	2.08	2.09	2.10	2.11	2.12	2.13	2.14	2.15
3.00	3.01	3.02	3.03	3.04	3.05	3.06	3.07	3.08	3.09	3.10	3.11	3.12	3.13	3.14	3.15
4.00	4.01	4.02	4.03	4.04	4.05	4.06	4.07	4.08	4.09	4.10	4.11	4.12	4.13	4.14	4.15

USB 1.2 IDUs: 27

1.00	1.01	1.02	1.03	1.04	1.05	1.06	1.07	1.08	1.09	1.10	1.11	1.12	1.13	1.14	1.15
2.00	2.01	2.02	2.03	2.04	2.05	2.06	2.07	2.08	2.09	2.10	2.11	2.12	2.13	2.14	2.15
3.00	3.01	3.02	3.03	3.04	3.05	3.06	3.07	3.08	3.09	3.10	3.11	3.12	3.13	3.14	3.15
4.00	4.01	4.02	4.03	4.04	4.05	4.06	4.07	4.08	4.09	4.10	4.11	4.12	4.13	4.14	4.15

View Individual IDU Addresses at a Glance

Understand which IDU addresses are online, offline, not active, or a duplicate

Topology Network

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• Airmet 2

Duplicate Airmet Address: None

Unaddressed IDUs: None

USB 1.1 (ODUs: 7 IDUs: 49)

Expand all	Airmet Address	Model #	Last communication	IDU Count
ODU Airmet 48	48	RELQ324TAYCA	1m 58s	9
3.00	34	FXTQ48TAVJUA(D)	1m 57s	
3.01	35	FXSQ30PVE	3m 5s	
3.02	36	FXSQ24PVE	1m 55s	
3.03	37	FXTQ54TAVJUA(D)	2m 52s	
3.04	38	FXTQ24TAVJUA(D)	1m 55s	

View Individual Addresses Information

Click into each individual address and review settings and preferences

How to Get Started

DIII-NET Diagnostics is built into the Turntide Hub UI, available to all admin users. For more information on how to get started and how to best leverage this feature, contact your Turntide Channel Account Manager or reach out to automationsales@turntide.com.

TURNTIDE TECHNOLOGIES

Our breakthrough technologies accelerate electrification and sustainable operations for energy-intensive industries