RVTEC Line Monitoring Equipment Forum

Purpose
Provide a closed forum to discuss line monitoring equipment. The intent was to collect data from the frontline technicians, share problems, solutions, and desired developments. A display board was constructed to show various network types and the interplay between the RV version, standard version, and a 90.

Brands and Products
MTNW
- Current
- LCI-90i
- LCI-80x
Retired
- LCI-90
- LCI-90r
- LCI-80
- LCI-100

3PS
- SD50
- SD50LT
- SD50-DAQ

NOV
- MD TOTCO

Markload
- DX

Rapp-Marine
- PTS Pentagon

Auric Solutions
- NERC Interface

Scantrol
- iSym

Hawboldt
- New integrated HMI and display

DIY
- HMI and PLC
- Discrete Components and Screen
Issues and Solutions

Garbled Screen
Restart Display
Firmware Update
Configuration Loss
Use the factory setting save feature. Many didn't know what this did, fear of factory resetting the device.
Use the load configuration tool
Send settings to a remote display
Turn on security to prevent unauthorized or accidental changes
Numbers too fast to read
Use the tension smoothing
Graph at 10 hz display at 3 hz
Winch Changes (IE from 1 to 2)
Discuss switching of RS-485 networks. Robust Ethernet communication is desired

Installation and Communication

Network
Most installations are RS-485 based. Discuss switching of RS-485 networks. Robust Ethernet communication is desired

Number of Winches
Typically installed as one instrument per display

Use Type
Most installations use one master and one or more slaves per winch
Few installations just as a display, with processing done elsewhere (IE on a PLC)

Firmware
Discussion of latest RV firmware and it’s development model.
A desire to know about the latest revisions and the issues that are solved