

MAY 27<sup>TH</sup>, 2021

## **BOARD UPDATE**

### **OLD STYLE W2H/WS3 BOARD STATUS**

Old LCD Design



Current Monochrome Graphics



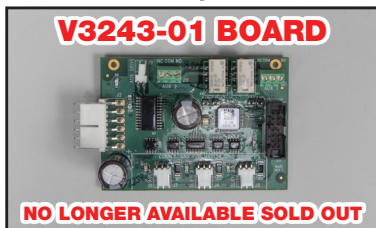
Old Main Board



Current Main Board



Old Optional Systems Board



Current Relay Daughter Board



Old AC Power Supply



Current DC Power Supply



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Here is a list of changes we made in this upgrade:

- New Monochrome Graphics Display on the POD
- New Multi-Language capability
- Added Lithium Coin Cell Battery for keeping the real-time-clock running during a power loss (can be replaced)
- New high efficiency DC switching power supply
- New daughter board concept to add relays to the system, up to 2 daughter boards
- New micro USB port used for updating software in the field and for future updates
- New Main Menu selections for easier programming
- Main board now accommodates 2 external motor drivers
- Main board supports system expansion to 16 units
- Main board supports MODBUS communication for communicating system operations to building management systems
- New communications protocol using STRAIGHT THROUGH RJ45 CABLE that uses T-568B wiring (to be supplied by customer)
- Original Molex connections for Motors and Meter
- New Hirose Housing connection for the power supply
- New POD connection using RJ11 connector

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