INTELLI-CONNECT™ MOBILE

WIRELESS DRIVE MONITORING, ANALYTICS, AND CONFIGURATION

Improving Safety, Uptime, and Productivity.
Downtime due to unexpected maintenance or equipment failure is expensive. Intelli-Connect™ Mobile: Wireless Drive Monitoring, Analytics, and Configuration, a solution from Columbus McKinnon, provides descriptive and diagnostic analytics to help minimize downtime.

Intelli-Connect Mobile enables quick and easy programming, maintenance, monitoring, and troubleshooting of overhead cranes and hoists. Using the free Intelli-Connect Mobile App, you can access detailed information right from the plant floor. With diagnostic information available at your fingertips, you can address issues more quickly, plan maintenance, and ultimately reduce downtime.

Intelli-Connect Mobile is ideal for all types of overhead crane applications in industries including power generation, automotive, aerospace, metals, pulp and paper, and much more.

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WIRELESS DRIVE MONITORING, ANALYTICS, AND CONFIGURATION

FEATURES & BENEFITS

INFORMATION AT YOUR FINGERTIPS

Intelli-Connect Mobile's wireless drive monitoring, analytics, and configuration capabilities deliver system status information, whether you're using a smartphone or tablet, to help you manage equipment 24/7. You can get insight into how your systems operate and how your equipment is utilized to ensure proper and timely maintenance.

IMPROVED SAFETY

Using Intelli-Connect Mobile, you can monitor and troubleshoot a Magnetek variable frequency drive (VFD) right from the plant floor. Intelli-Connect Mobile wirelessly connects to crane equipment located 20-100 feet in the air, allowing you to safely and quickly get an overview of your system's operation. You no longer need to power down the crane, climb up to the drive, and connect hardware to access drive information, eliminating potentially hazardous situations.

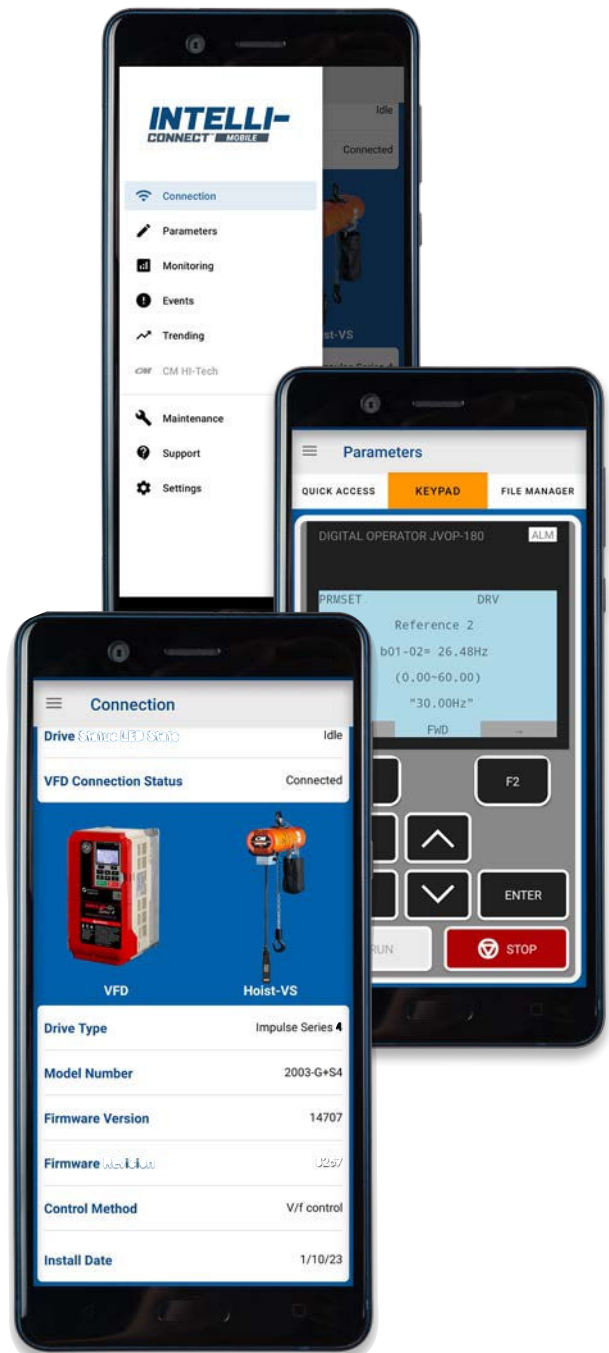#### QUICK TROUBLESHOOTING AND RECOVERY

Intelli-Connect Mobile provides critical information, such as signal monitors, run trending data, equipment usage history, and event history. By incorporating this technology into your overhead crane or hoist, you can proactively monitor and schedule maintenance to ensure you have the necessary parts and support available when you need it. And, if your system does go down unexpectedly, Intelli-Connect Mobile can help reduce your mean time to recover (MTTR). With instant access to user manuals available through the app, operators can easily reference system setup and diagnostics to get equipment back up and running quickly.

SECURE CONNECTION

The wireless operator connects the Magnetek VFD and your smartphone or tablet via a secure Wi-Fi connection. Set your own SSID (service set identifier) and password to establish a protected link for data flow.

PRODUCT AND PROJECT SUPPORT

Every automated system from Columbus McKinnon is designed, engineered, and built in-house by our expert team of engineers and automation specialists. Our highly trained support team is always available – 24/7, 365 days a year – to assist with technical application issues and tight installation timelines. Plus, with the Intelli-Connect Mobile App, you can easily email our service team right from the app with any product setup or troubleshooting questions.

EASY PRODUCT INTEGRATION

Intelli-Connect Mobile can be combined with any electric wire rope or chain hoist that utilizes IMPULSE®•G+/VG+ Series 4 or IMPULSE®•G+ Mini VFDs. New or existing hoists utilizing Magnetek VFDs can be enhanced with Intelli-Connect Mobile, giving you added intelligence and information to keep your equipment and operations running. If an existing application already operates with a Magnetek VFD, Intelli-Connect Mobile can be installed with a remote mounting kit. Hoists currently using CM HI-Tech™ (Hoist Interface Technology) can easily integrate with

Intelli-Connect Mobile, giving you access to even more status and system information. You'll get all the features of CM HI-Tech, such as the ability to quickly and easily adjust hoist speed and performance parameters, without the need for a PC or connector cable. Designed to work together for optimal performance, Columbus McKinnon's products provide complete intelligent solutions for your lifting and positioning applications. Intelli-Connect Mobile is available as an option on all new CM® Lodestar® VS Electric Chain Hoists or in retrofit kits for units already in service.
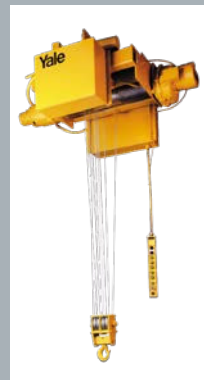
CHOOSE FROM:

COLUMBUS MCKINNON HOISTS

MAGNETEK VARIABLE FREQUENCY DRIVES

| CM Lodestar® VS Electric Chain Hoist | Shaw-Box® SK™ and 800 Wire Rope Hoists | Yale® YK™, Y80, Cable King, and LodeKing LT™ Wire Rope Hoists | IMPULSE•G+/VG+ Series 4 or IMPULSE•G+ Mini VFDs |

INTELLI-CONNECT MOBILE

Intelli-Connect Mobile is comprised of a wireless operator module (WOP-20) mounted on the control panel that is connected to a single Magnetek VFD on a hoist or traverse motion via an Ethernet cable. The wireless operator creates a wireless network, which is accessible from a personal electronic device (PED), such as a smartphone or tablet via the Intelli-Connect Mobile App. Once linked, Intelli-Connect Mobile enables quick and easy programming, maintenance, monitoring, and troubleshooting of VFDs associated with your hoist or crane motion. The app is available as a free download on Google Play or the Apple® App Store.®* You can continuously monitor equipment and track trends and long-term information over a period of time. By tracking these trends, Intelli-Connect Mobile provides a comprehensive view of your system by monitoring runs, faults, alarms, and VFD status, including fault codes, motor voltage, current, available hoist operating life, and more. Plus, if regulatory or company standards apply to your crane, you can also keep track of inspection notes right in the app.

FEATURES

- Easy setup and installation
- Access to the latest user manuals and quick start guides
- Parameter configuration via Quick Settings
- Parameter configuration via Keypad Emulation
- Ability to store and retrieve parameter sets (compatible with IMPULSE®•Link 5)
- Live monitoring of VFD operation
- Fault and alarm status, description, and corrective action steps
- Quick recovery from faults with built-in Fault Reset button
- Secure Wi-Fi connection and ability to customize network name and password
- Record installation date for reference
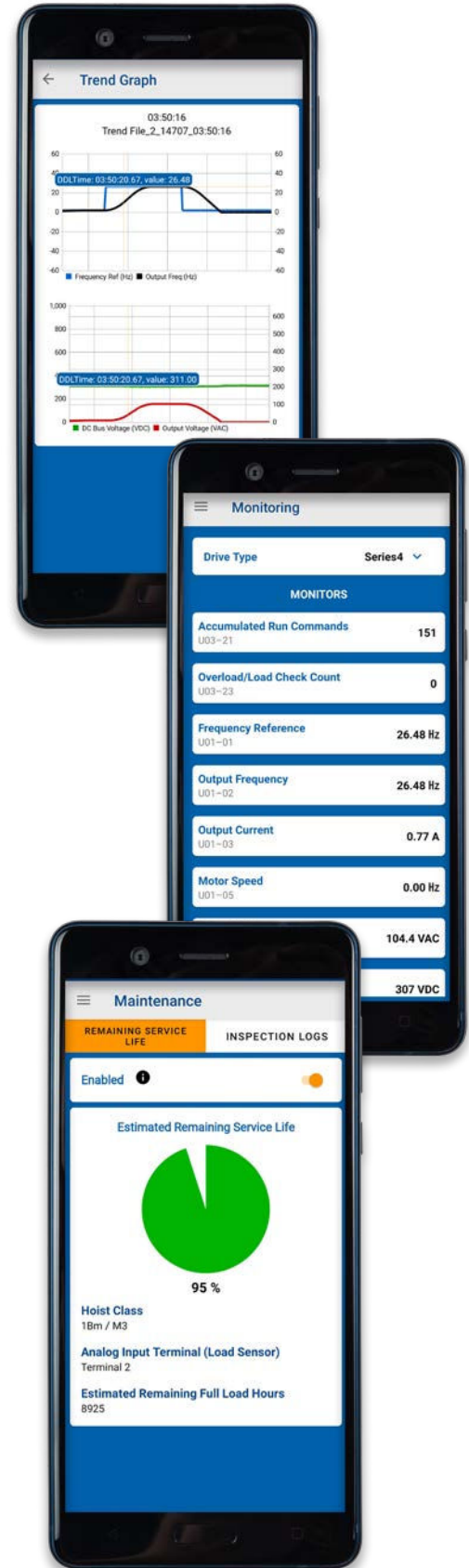- Access to technical support information

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ADVANCED FEATURES

By making more VFD information easy to access with the Intelli-Connect Mobile App, you'll be able to keep equipment operating safely and efficiently to ensure the highest levels of productivity in your facility.

- **Event History:** Comprehensive data logs during fault, alarm, and run events (Event history files are compatible with IMPULSE®•Link 5)

    - 400 alarms
    - 400 faults
    - 5,000 runs

- **Trend History:** Comprehensive data logs recorded before, during, and after run events (Trend history files are compatible with IMPULSE®•Link 5)

    - Up to 120 MB of trending data, which is equivalent to approximately 30 hours of run time

- **Inspection Logging:** Record maintenance activities and keep them stored alongside the equipment

    - 24 logs

- **Remaining Service Life:** Keep track of the remaining estimated operational life of your hoist

    - Calculations based on FEM/ISO standards (FEM9.5111)

FEATURE SUMMARY
One-to-One Connection from App to IMPULSE•G+/VG+ Series 4 and G+ Mini VFDs
CM HI-Tech PC Interface
Monitoring of VFD Current, Torque, Digital I/Os, etc.
Fault Reset
Read and Write Critical Parameters (Quick Access)
Operator Emulator Mode (LCD and Buttons)
Upload and Download VFD Parameter Files (Compatible with IMPULSE•Link 5
Documentation Access (User Manuals, Quick Start Guides, Installation Guides, FAQ, etc.)
Secure Wi-Fi Connection: Customize SSID Name and Password
Trending and Event History Log Files (Compatible with IMPULSE•Link 5)
Maintenance and Inspection Log

CATALOG NUMBER	DESCRIPTION	
WOP-20	Wireless Operator	
DLS4-RMT-OPER-KIT	Panel Mounting Kit* • NEMA 4X/IP66 • Mounting Bracket • CAT5 Ethernet Cables	
WOP-20 KIT	Includes Wireless Operator and Panel Mounting Kit	
WOP-EXT-0	Wireless Operator with Easy-to-Install External Enclosure (No Cable)	
WOP-EXT-1M	Wireless Operator with Easy-to-Install External Enclosure (1-Meter Cable)	
WOP-EXT-3M	Wireless Operator with Easy-to-Install External Enclosure (3-Meter Cable)	

*Mounting the wireless operator on the control panel door is recommended for the best wireless signal strength.

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