

RADIO DRIVE SERIAL INTERFACE

COMMUNICATION MODULE

Magnetek's Radio Drive Serial Interface (RDSI) enables two-way communication between a radio transmitter and variable frequency drive, allowing RDSI to command the drive and the operator to monitor performance parameters right on the transmitter's display unit. RDSI makes monitoring drive status easy by putting the information at your fingertips. Facilitating communication using RDSI improves safety and functionality while reducing downtime, installation, and maintenance costs.

FLEXIBLE & CONVENIENT SYSTEM

RDSI communicates between the receiver and the drive using a RS-485 serial interface. Using a Flex M receiver you can control up to two drives per serial communication card. Just add another module to the receiver to add additional drive pairs.

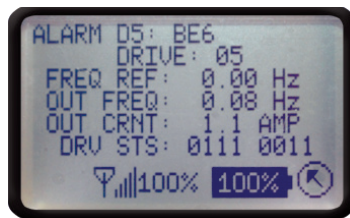
RDSI's modular design enables plug-and-play compatibility with the Flex M receiver. Use the same receiver component for every size of application — no switching necessary.

RDSI automatically detects drive types; allowing you to communicate with all of your drives using only 4 wires; and eliminates the need for relay cards, excessive wiring and labor costs.

RDSI DISPLAY

RDSI displays feedback parameters directly from the drive, allowing you to access diagnostic and troubleshooting information on the ground.

- Drive Status
- Output Frequency
- Output Voltage
- Output Current
- Output Power
- Torque Reference
- Load Weight



MAGNETEK
MATERIAL HANDLING

YOUR ONE-STOP SOURCE FOR MATERIAL HANDLING CONTROL SOLUTIONS

RDSI IMPROVES CRANE RELIABILITY, FUNCTIONALITY, AND SAFETY

Reliability

- Reliable RDSI helps reduce downtime and maintenance costs by putting drive information right at your fingertips

Functionality

- Serial communication is faster than discrete communication
- Provides constant handshake between receiver and drives

Safety

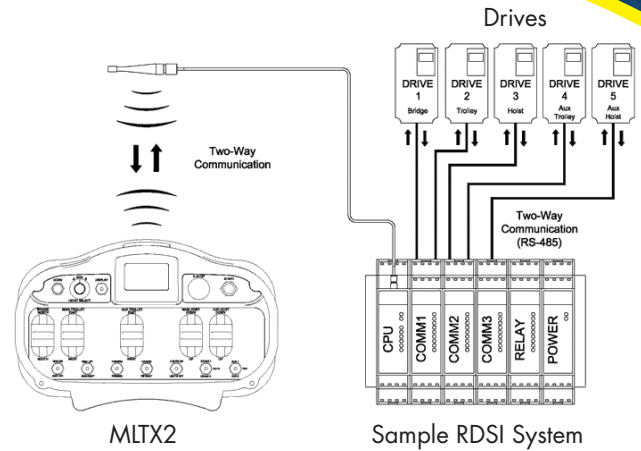
- Any communication loss (either serial or RF transmission) results in crane stoppage

Two way communication with feedback parameters on display

- Drive fault/alarms communicated to transmitter and display

Crane status always available

- Drive status, output information, torque reference, and load weight constantly accessible



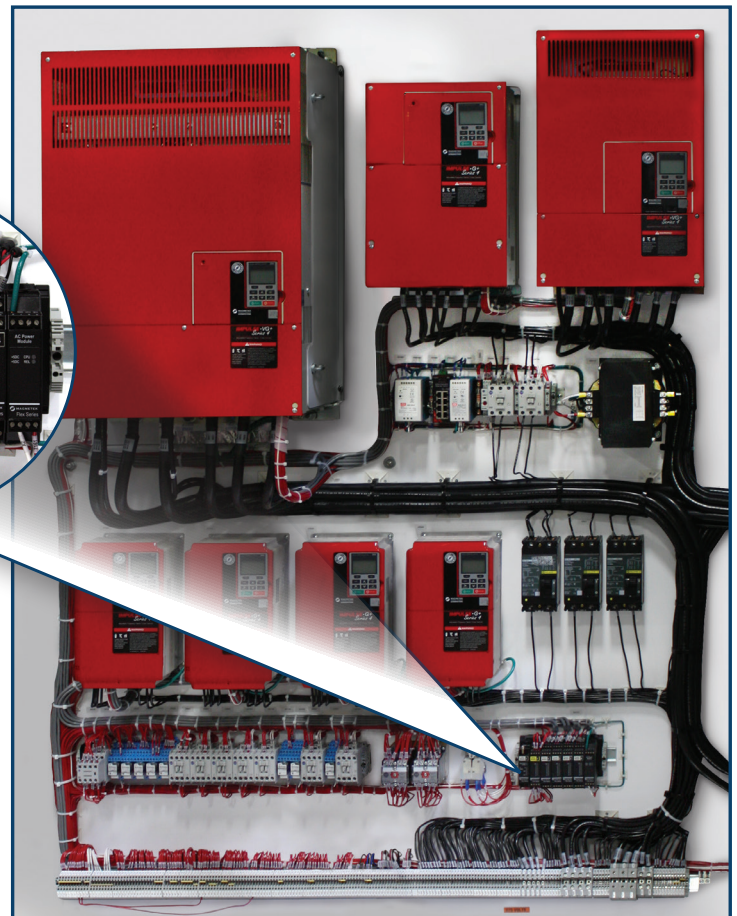
SYSTEM COMPONENTS

- Transmitter
 - Typically XLTX, MLTX2 or Flex VUE
- Receiver
 - Flex M with communication cards
- Magnetek Drives
 - IMPULSE®•G+ and VG+ Series 4
 - IMPULSE®•G+ Mini
 - IMPULSE®•G+ and VG+ Series 3

CUSTOMIZED ENGINEERED SYSTEMS

We'll build your system to your specifications – chose a transmitter, receiver and drive to build a completely customized system.

For more information, contact Magnetek Material Handling at 800.288.8178 or your local Magnetek Sales Representative.



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