



MAGNETEK
MATERIAL HANDLING

Telemotive



MLTX

Engineered System

Price List#: MLTX-ENG-1

Base System

The 18K base system consists of a belly box style transmitter with three to seven lever switches, on/off pushbutton, e-stop switch, and horn/warning pushbutton. Custom engravings as submitted at the time of purchase order are included. The receiver with output boards, layout with contact sequencing drawings, and two manuals are also included. The Base system requires no FCC license and is designed for a 120/240 VAC power input. Below are the base system models. All systems include two rechargeable batteries and a battery charger.

- Radio system output sequence drawings are provided with the purchase of each system. No wiring interface to an existing control scheme is provided as standard. See point-to-point option.
- Additional terminal block or upgraded mainline contactor are not included in the base system.

Description		List Price
3-Motion System This system is designed for basic crane applications with a Bridge, a Trolley, and a Hoist with speeds of (0-10 VDC) stepless, 3 steps, or 5 steps.	16 Contacts, 3-Speed, 3 levers 24 Contacts, 5-Speed, 3 levers 3 0-10 VDC outputs, Stepless, 3 levers	\$6,865 \$7,215 \$7,215
4-Motion System This system is designed for basic crane applications with a Bridge, a Trolley, and a Hoist with speeds of (0-10 VDC) stepless, 3 steps, or 5 steps. This system has an A, A+B, B switching for a (2) hoist crane.	24 Contacts, 3-Speed, 3 levers 24 Contacts, 5-Speed, 3 levers 3 0-10 VDC outputs, Stepless, 3 levers	\$7,310 \$7,310 \$7,310
4-Motion System This system is designed for basic crane applications with a Bridge, a Trolley, Main Hoist and Auxiliary Hoist with speeds of (0-10 VDC) stepless, 3 steps, or 5 steps. This system has (4) independent motion levers.	24 Contacts, 3-Speed, 4 levers 32 Contacts, 5-Speed, 4 levers 4 0-10 VDC outputs, Stepless, 4 levers	\$7,465 \$7,815 \$7,815
5-Motion System This system is designed for basic crane applications with Bridge, Trolley, and Hoist with speeds of (0-10 VDC) stepless, 3 steps, or 5 steps. This system has an A, A+B, B switching for (2) trolley/hoists.	24 Contacts, 3-Speed, 3 levers 24 Contacts, 5-Speed, 3 levers 3 0-10 VDC outputs, Stepless, 3 levers	\$7,310 \$7,310 \$7,310
5-Motion System This system is designed for basic crane applications with Bridge, Trolley/Hoist 1 and Trolley/Hoist 2 with speeds of (0-10 VDC) stepless, 3 steps, or 5 steps. This system has (5) independent motion levers.	24 Contacts, 3-Speed, 5 levers 32 Contacts, 5-Speed, 5 levers 5 0-10 VDC outputs, Stepless, 5 levers	\$7,715 \$8,065 \$8,640
6-Motion System This system is designed for basic crane applications with Bridge, Trolley, and Hoist with speeds of (0-10 VDC) stepless, 3 steps, or 5 steps. This system has (6) independent motion levers.	32 Contacts, 3-Speed, 6 levers 40 Contacts, 5-Speed, 6 levers 6 0-10 VDC outputs, Stepless, 6 levers	\$8,315 \$8,890 \$9,465
7-Motion System This system is designed for basic crane applications with Bridge, Trolley, and Hoist with speeds of (0-10 VDC) stepless, 3 steps, or 5 steps. This system has (7) independent motion levers.	32 Contacts, 3-Speed, 7 levers 48 Contacts, 5-Speed, 7 levers 7 0-10 VDC outputs, Stepless, 7 levers	\$8,565 \$9,715 \$10,290

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Options

Description	List Price
Power Protection Package: The system can be upgraded to include additional protection for the input power. The package includes a surge suppressor, machine tool relays for the mainline contactor, fusing, and a circuit breaker. This extra protection is very important if the electrification system has transients or "dirty power". If a surge or high inrush current occurs, the fusing, MOV (Suppressor), and the circuit breaker would protect the system from damage.	\$395
Interconnection Convenience Package: This package reduces the wiring needed in the field. Let Magnetek wire the input power jumpers and connections, saving you wiring time during the installation. The larger terminal strip allows larger gage wiring to fit easily into the radio control.	\$450
Point-to-Point Drawings: The system comes with output sequence drawings, which show the radio's contact sequencing. These point-to-point wiring diagrams take the guesswork out of wiring by referencing the crane's terminal numbers on the prints, which helps to eliminate wiring errors. These point-to-point drawings make installation easier and could save hours when installing the system.	\$550
Transfer Switch with Mounting & Wiring: A transfer switch provides a quick change from the manual system, either a pendant station or a cab operation, to radio control with a drum rotary switch. This transfer switch can provide effective or full isolation of the two systems. Effective isolation is a transfer of the incoming power common from radio control to manual control. Total isolation isolates all contacts to prevent backrush current into the radio or pendant system. <i>Magnetek can mount and wire the transfer switch in the enclosure, but please note that the previous three options, power protection option (interconnection wiring convenience package option, and point-to-point drawings option) are included in this price.</i> With all these packages selected the field wiring would be reduced and the installation time could be reduced by up to four or five hours.	\$2,465
Static Stepless adder (Per Motion) – for (0-20 or 0-40 VAC): Designed for 0-20 or 0-40 VAC stepless output. Price is for each motion.	\$250
Static Stepless adder (Per Motion) – for (0-80 VAC): Designed for 0-80 VAC stepless output. Price is for each motion.	\$400
Eddy Current, Magnatorque, Non-cumulative contact adder (Per Motion): These crane controls require additional contacts. This is not for DC system or dynamic lowering.	\$350
Licensed VHF (72-76 MHz): A UHF non-licensed system is the base system, however in some cases the user needs a system to operate at distances greater than 300 feet. In these cases, a licensed frequency (VHF) may be needed. In a building, the VHF frequency will perform a little better.	\$600
Licensed UHF (450-470 MHz): A UHF non-licensed system is the base system, and most users should operate at this frequency. However, some users may need to operate at distances greater than 300 feet. In these cases, a licensed UHF frequency may be needed. Outdoors, the UHF frequency will perform a little better.	\$1,000
Stainless Steel (NEMA 4x) Receiver Enclosure	\$2,325
Contact Monitoring/Load Monitoring: This feature is used as a closed loop system for contact closure, and will detect problems with the crane contactors. If contactors are welded or not firing properly, the radio will sense the condition and shut down. It can also detect short circuits or other wiring problems.	\$750
Strip Heater: This product regulates temperature and humidity. It will activate in conditions when the temperature drops below 40°F, and in humid/moist environments to reduce moisture build up on the circuit boards.	\$450



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Description	List Price
Conformal Coating: This feature is highly recommended for very humid environments. To prevent corrosion and extend the life of your radio control system this coating may be applied to all circuit boards in the system.	\$395
Auxiliary Relays (Non-latching): Some control sequencing may require additional relay logic or higher amperage protection. Larger relays must be added to the system for these types of controls. Some examples are lights, scales, hook rotate, etc.. The pricing is for each additional relay.	\$325
Auxiliary Relays (Latching): Some control sequencing may require latching functions after the radio control has lost power. For these types of controls, latching/energized relays must be added to the system. Some examples are magnet lifts, vacuum lifts, lights, etc. The pricing is for each additional relay.	\$395
Additional Auxiliary Switches: The base system includes an auxiliary function for the horn. Auxiliary functions include: single speed rotates, grabs, lights, bypasses, and other functions without multiple speeds. Any additional switches added to the system must be priced into the system.	\$95
Magnets / Vacuum Lifters: Vacuum lifters and magnets are electrically latched circuits. To keep this equipment operating safely, additional circuitry is needed. A lift to operate switch is incorporated onto the transmitter. This prevents accidental activation of the circuit. This pricing includes the relays and switches needed for these functions.	\$480
On/Off	\$480
Lift/Drop	\$630
Fanning, Dribbling	
Access Code Plug and Receptacle (per Receptacle): Transmitters are easily interchangeable with this plug. If multiple cranes have similar functions you can interchange the transmitters, thus reducing the need for additional spare transmitters.	\$310
Additional Access Code Plugs (per Code Plug)	\$155
Pitch and Catch: Allows two operators to efficiently move a load over a long bay. The radio transfer from one operator to another is seamless. One operator would pick up the load and send the crane down the bay to the other operator.	\$483
Crane Select: Allows an operator the ability to control multiple cranes from one transmitter. The receiver would only allow one transmitter to "work" the system on a first come first serve basis.	\$483

All other configurations—call factory for quote.



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Optional Parts

Description	List Price
Alkaline Battery Pack (BT113-0): Disposable alkaline battery for the MLTX transmitter	\$29
Rechargeable NiMH Battery six cell (BT114-0): Most MLTX transmitters use this type of battery. The 750 <i>mW</i> -licensed transmissions MLTX transmitter uses the BT115-0.	\$79
Rechargeable NiMH Battery ten cell (BT115-0): The high power MLTX transmitter, 750 <i>mW</i> licensed, uses this type of battery.	\$95
Battery Charger (E10757-0): Designed to recharge both the BT114-0 and the BT115-0 batteries. It comes with a 120 VAC power adapter.	\$395
Piggyback Battery Charger (E10757-1): The charger plugs into the E10757-0 battery charger without using additional AC outlets. Up to three charging units can be charged from one AC adapter.	\$295
Additional Manuals: Two manuals are included in your system. Additional manuals are available. You can obtain our current manual for free from our web site at www.magnetekmh.com	\$45
Full Spare Parts Kit: A complete spare parts kit can be purchased with the system. This kit would include a receiver board, receiver CPU board, transmitter CPU board, transmitter RF section, one of each type output board, switch, and connectors. The spare parts kit is critical in reducing system down time if the receiver or transmitter ever has a problem. Not all engineered product is stocked at our warehouse. As a result, we recommend that customers have parts available on site to minimize downtime of the crane.	\$2,995
Partial Spare Parts Kit: The partial spare parts kit is an important time saver if ordering multiple systems. The partial spare parts kit includes the computer board EPROM and RF section of the transmitter and receiver.	\$1,870
"Power On" Indicating Light: An external "power on" indicating light can be provided. This light would be hung from the bottom of the crane to indicate that the radio is being operated from radio control. The standard "power on" light is a blue color. Amber, Red, Green, and clear are also available.	\$185
Transfer Switch (drum type): Shipped loose	\$575