



CERVIX INC. Handheld Transmitters

TM70 Series

THE REMOTE CONTROL FOR OVERHEAD CRANES



- Portable EEPROM
- State-Of-The-Art Design
- Dual redundant safety circuit
- Over 100,000 installed world wide
- Automatic Frequency Avoidance (AFA)
- High tactile feel two step push button
- Affordable (economies of scale)
- FCC Approved



The TM70 series transmitters and receivers are specifically designed to offer an ergonomic, reliable solution for overhead crane radio control applications.

The TM70 products are manufactured to stringent quality assurance procedures resulting in the highest quality equipment commercially available in the industry. They are clearly one of the safest and most reliable systems available anywhere in the world and offer many advantages. These systems meet the highest level of control directives for safety in the world (EU directives 99/5 and 98/3).

With two transmitter packages and the ability to combine push buttons with selector switches we can offer a customized, ergonomic and efficient package. Our patented two step push buttons offer the best positive feeling detents available. The use of selector switches allows for A/Both/B selection and/or controlling auxiliary functions.

Options include IR range limitation and LCD displays for displaying transmitter ID or load weights at the transmitter. The exclusive portable EEPROM allows for any transmitter to become a spare for any like system. Our rock solid Radio Frequency (RF) design automatically avoids frequency interference and has allowed us to put over 100,000 systems in the field. Standard packages include 3 motion 2 speed and 5 motion 2 speed cranes. All receivers come pre-wired ready for easy installation.



330 Perry Highway
Harmony, PA
16037-9790

Tel: 724.452.3775
Fax: 724.452.3779
Web: www.cervix.net



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TM70 Series

Handheld Transmitters



- 1 IR Range limiter option
- 2 LCD option
- 3 Diagnostic LED
- 4 Two steps pushbuttons
- 5 Maintained or spring return switch
- 6 Safety key switch
- 7 Warning/Start switch
- 8 CAT3 Stop switch
- 9 Shock absorbers
- 10 Portable EEPROM
- 11 Battery

Receiver

Charger and Batteries

Transmitter



**MORE
INFORMATION
FOR A BETTER
CONTROL**

Technical Specifications

| Transmitters | | Receivers | |
|----------------------------|---|-----------------------|--|
| Frequency: | 900 MHz | Input Power: | 12, 24 VDC or 48, 120, 230 VAC |
| RF Power: | 1mW | Dimensions: | 11.125 x 7.5 x 4.125" |
| Enclosure: | IP65/NEMA 4 | Enclosure: | IP65/NEMA 4 |
| Battery: | 16 hours of use, 50% duty cycle | Digital Outputs: | 13, 21, 29 + (BA) |
| Temperature: | -4 to +150° F | Proportional Outputs: | Ramp Analog Up / Down |
| Two Step Push Buttons: | High tactile feel | Safety Outputs: | Start + STOP (dual Redundant) + Safety |
| Rotary Selector Switches: | Maintained or Spring return | Inputs: | Customizable |
| Weight (battery included): | 1-1.2 lbs | Diagnostic LED: | RF OK, OK, PCB OK, ID OK, Data OK |
| Diagnostic LED: | TX on, Battery level, Stuck switch, Failure | RF: | 70 Channel Scanner, Frequency agile |
| Feedback Display: | User programmable Display | Safety: | Dual redundant micro-processors (highest degree of safety) |

Software options:

- First Come First Serve (multiple transmitters)
- Catch/Release (TX acquire & lockout)
- TX Receiver select (multiple receivers w/ one TX)
- Tandem control (syncing control of multiple machines)
- IR Range limitation
- Custom requirements available



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