



CERVIS 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.

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CERVIS INC.

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

Frequency:	900 MHz
RF Power:	1mW
Enclosure:	IP65/NEMA 4
Battery:	16 hours of use, 50% duty cycle
Temperature:	-4 to +150° F
Two Step Push Buttons:	High tactile feel
Rotary Selector Switches:	Maintained or Spring return
Weight (battery included):	1-1.2 lbs
Diagnostic LED:	TX on, Battery level, Stuck switch, Failure
Feedback Display:	User programmable Display

Receivers

Input Power:	12, 24 VDC or 48, 120, 230 VAC
Dimensions:	11.125 x 7.5 x 4.125"
Enclosure:	IP65/NEMA 4
Digital Outputs:	13, 21, 29 + (BA)
Proportional Outputs:	Ramp Analog Up / Down
Safety Outputs:	Start + STOP (dual Redundant) + Safety
Inputs:	Customizable
Diagnostic LED:	RF OK, OK, PCB OK, ID OK, Data OK
RF:	70 Channel Scanner, Frequency agile
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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