



- Durable nylon-fiber housing for extra shock resistance..
- Fully programmable relay configuration with maximum 16 relays output per command.
- Operating range up to 100 meters
- Pre-wiring standard cable making installation quick and easy.
- Economic efficiency, ease of operation.
- 3 stages LED battery power indicator.
- Feature acceleration delay time control (smooth moving for multiple speeds cranes)

General Specification	
Operating Temp.	-35°C ~ +80°C
Maximum Range	100 M
TX power supply	4 AA size Alkaline batteries
RX power supply	24/48/110/220/380 V
Protection class	IP 65 Industrial standard
ID Code	4.3 billion (32 bit)
Hamming code distance	≥ 4
TX Dimension & Weight	220x110x90 mm Apprx. 860g (w/o batteries)
RX Dimension & Weight	290x230x70mm Apprx.2200g (w/o cable)

Double Joystick with

5 steps



Transmitter/Receiver / General Specification

Transmitter

Double Joystick/ 6 Single step buttons
(Including start button)
1 Emergency button (EMS)
1 Rotary key switch
4 selector switches

Receiver

Max. 40 relay output (Programmable)
NC/NO relay (optional)
External passive antenna (optional)

General Specification

Operating Temp.	-35°C ~ +80°C
Operating Range	100 M
TX power supply	4 AA size Alkaline / Rechargeable Battery
RX power supply	AC 48/110/220/380 V
Protection class	IP 65 Industrial standard
ID Code	4.3 billion (32 bit)
Hamming distance	≥ 4
TX Dimension & Weight	220 x 110 x 90 mm Apprx. 860g (w/o batteries)
RX Dimension & Weight	290x230x70mm Apprx.2200g (w/o cable)

F24-60 Accessories

CD Software
& Program Cable

Copier

Battery Charger

Passive Antenna

Waist belt



Telecrane other series

F21-PLL Series



* 6/12 single/double step pushbuttons.
* PLL Synthesizer radio frequency control

F21-Crystal Series



* 2/4/6 single/double step pushbuttons
* AC power supply is suitable for small crane/chain hoist
* Also available with DC power supply (12~24VDC) suitable for mobile application

F24 Series



* 8/10 single/double step pushbuttons
* Economic model best for overhead crane.

CRANE AUTOMATION
INDUSTRIAL SUPPLIES PTY LTD



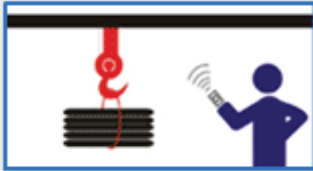
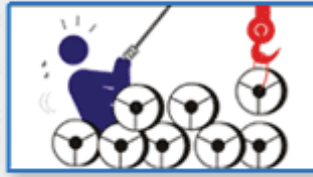
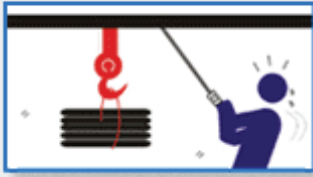
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F24-60 Wiring Diagram (Standard)

Common line	Relay contact	Command	Wire NO.	Remark
		AC-1	2-1	
		AC-2	2-2	
		MAIN-IN	2-3	
		MAIN-OUT	2-4	
		COM 1	2-21	
		COM 2	2-22	
		COM3	2-23	
		COM4	2-24	
	Ry1	F1	1-1	
	Ry2	R0/START	1-2	
	Ry3	R1	1-3	
	Ry4	R2	1-4	
	Ry5	R3	1-5	
	Ry6	R4	1-6	
	Ry7	SW A	1-7	
	Ry8	SW BA	1-8	
	Ry9	SW BB	1-9	
	Ry10	SW CA	1-10	
	Ry11	SW CB	1-11	
	Ry12	SW D	1-12	
	Ry13	1Y (U)1	1-13	
	Ry14	1Y(D)1	1-14	
	Ry15	1Y (U/D)2	1-15	
	Ry16	1Y(U/D)3	1-16	
	Ry17	1Y(U/D)4	1-17	
	Ry18	1Y(U/D)5	1-18	
	Ry19	1X(L)1	1-19	
	Ry20	1X(R)1	1-20	
	Ry21	1X(L/R)2	1-21	
	Ry22	1X(L/R)3	1-22	
	Ry23	1X(L/R)4	1-23	
	Ry24	1X(L/R)5	1-24	
	Ry25	2Y(U)1	2-5	
	Ry26	2Y(D)1	2-6	
	Ry27	2Y(U/D)2	2-7	
	Ry28	2Y(U/D)3	2-8	
	Ry29	2Y(U/D)4	2-9	
	Ry30	2Y(U/D)5	2-10	
	Ry31	2X(L)1	2-11	
	Ry32	2X(R)1	2-12	
	Ry33	2X(L/R)2	2-13	
	Ry34	2X(L/R)3	2-14	
	Ry35	2X(L/R)4	2-15	
	Ry36	2X(L/R)5	2-16	
	Ry37	(AUX)1	2-17	
	Ry38	(AUX)2	2-18	
	Ry39	(AUX)3	2-19	
	Ry40	(AUX)4	2-20	

Applications



▶ [Bridge Cranes/Overhead Cranes](#)



▶ [Chain Hoist/Monorails](#)



▶ [Mobile Lifting Equipment](#)



▶ [Concrete Pump Trucks](#)



▶ [Self erecting Cranes](#)