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### **OUR BRANDS**





Crane Remote Control Systems, Siren Lights and Overload Systems















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#### **About Us**

In 2006, Elfatek Electronik co-founders carried their 15 years industrial electronics know-how expertise to develop the first 80 channels and 250 hours battery life radio remote crane control system in Turkey.

Elfatek not only produces electronic software of its remote control sytems but also all electronic, and mechanical parts are manufacturing on its own for 15 years.

Driven by a team of highly motivated and talented engineers, the company has technologically grown with activities in various industrial fields. Today Elfatek has become a leading designer and manufacturer of industrial radio controls used in crane sector in Turkey.

Elfatek manufactures all electronic and mechanical parts to the need of customers with the highest quality and supports.

#### **Our mission**

"Developing research and development based industrial products with high added value for increasing competitive power of our country."

#### **Our vision**

"Developing industrial products at international level and becoming a leader firm in research and development filed."



IMAGINE, DESIGN, MANUFACTURE.





# ANKA SERIES JOYSTICK REMOTE CONTROL SYSTEMS

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#### **DESIGN**

It is designed ergonomically, for ease of use.



#### REMOVABLE BATTERY

Thanks to its special design it can be removed easily.

Works with 6 AA battery



#### I-CHIP

Easily transfer channel and ID data to spare transmitter or receiver thanks to I-chip technology.



#### **START BUTTON**

Start button also can be used as a horn button

\*Start/ horn is same button on Joystick Remote Control.



#### **SELECTOR SWITCH**

0-1 Selected Switch



#### **ANALOG POT**

0-10 V Analog pot



#### **ROTARY SWITCH**

1/2/1+2 Rotary switch (Permanent or Momentary)



#### **ROTARY SWITCH**

1/2/1+2 Rotary switch (Permanent or Momentary)



#### **ROTARY SWITCH**

From 1 to 12 rotary permanent switch

#### ANKA SERIES JOYSTICK REMOTE CONTROL

Anka series jostick remote control systems have been specially designed for ease of use by Elfatek Electronic. Crash-Proof equipment has been used in order to enhance the crashworthiness of outer body in case of external impacts.

#### AREAS OF USAGE JOYSTICK REMOTE CONROL

- \* Overhead travelling Cranes
- \* Tower Cranes

- \* Mobile Cranes and Lifts
- \* Chain hoist systems

- \*Tow Trucks Cranes
- \*Sectional Door

- \* Hydrolic equipments
- \* Special Machine Applications

**JOYSTICK REMOTE CONTROL SYSTEMS** 

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#### ABOUT JOYSTICK REMOTE CONTROL

- ANKA SERIES JOYSTICK Remote Control Systems are designed to control industrial equipments. ( lifts, overhead cranes, tower cranes etc.)
- Receiver and transmitter communicate constantly. If there is no operation within 5 minutes (can chance 15, 30, 45 min), 100 meters communication distance is exceeded or battery is unexpectedly removed from joystick transmitter passes emergency stop mode.
- In all series of joysticks have low battery signal and frequency transmission signal.
- I- Chip removable frequency chip involves ID data channel and code informations of remote control which has been programmed distinctively for every different model. In case of any malfunction, I-Chip can be transferred to any Anka series spare josytick transmitter or receiver and there will be no work loss.
- By using selector switches (0-1), (1-0-2), and (Aux) button output different configurations can be made and joystick can be upgraded as multiple control systems.
- Safety and precision with ANKA series Joystick Remote Control Systems at the highest level.
- ANKA series Joystick Remote Control Systems are designed to provide economical solutions to the user.
- Battery using limit is 700 hours for constant using for JD type joystick.

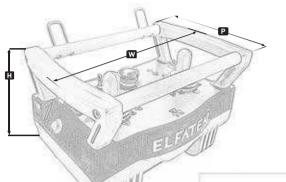
#### **STANDARD SET**

- 1 Receiver Unit
- 1.5 Meter Cable
- 1 Joystick Transmitter
- 1 Strap
- 6 (AA) Alkaline Batteries
- 2 battery boxes
- 4 Receiver Monunting Screws
- 2 Pieces Spare Glass Fuse (6A)
- User manual, Certificate of Warranty, Wiring Diagram, CE Certificate
- External antenna 5 dBi ( Optional )





JOYSTICK REMOTE CONTROL SYSTEMS



Dimensions of the Transmitter			
MODEL	H (Height)	W [Width)	P {Depth
ANKA SERIES	164 mm	247 mm	170 mm

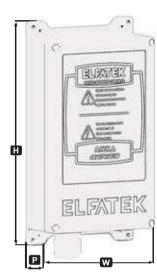
Design patent belongs to **ELFATEK** 

TRANSI	MITTER UNIT		
SPECIFICATIONS	JD Model	JM Model	
OPERATING FREQUENCY	2.4 GHz	868 Mrz	
NUMBER OF CHANNEL	80	8	
OPERATING DISTANCE	= 100 m	= 100 m	
RF SYSTEM POWER	10 mW ERP [internal antenna]	10 mW ERP Enternal artisonal	
DATA ENCRYPTION CODE	16 Bit	32 Bit	
DELAY OF THE TRANSMITTER	- t.s	- 1 s	
RESPONSE TIME	× 25 ms	< 40 ms	
RT FOR EMERGENCY	( 25 ms	<40 ms	
OPERATING - STORAGE TEMPERATURE RANGE	-40 °C - +85 °C	-40 °C - +85 °C	
ENCLOSURE PROTECTION RATING	IP 65	iP 65	
BODY STRUCTURE	POLYAMID	POLYAMID	
SUPPLY VOLTAGE	3 VDC	4.5 VDC	
JOYSTICK DIAMETER	SINGLE AXIS - DOUBLE AXIS	SINGLE AXIS	
ACCELERATION SELECTABLE KEY	- 12	4 LEVEL	
CURRENT REQUIREMENT	10 mA	80 mA	
BATTERY	6xAA ALKALI BATTERY	SXAA ALKALI BATTERY	
CONTINIOUS OPERATING TIME	≥ 700 hour	≥ 40 hour	
OPERATING TIME AFTER LOW BATTERY WARNING	5 dk (DURACELL BATTERY)	19.	
TRANSMITTER UNIT WEIGHT	=1800 GR - 2100 GR DEPANDS ON THE MODEL	=1800 GR - 2100 GR DEPANDS ON THE MODEL	

DIMENSIO	NS OF THE F	RECEIVER	
MODEL	(HE)GHT)	W (MDTH)	(DEPTH)
MEDIUM RECEIVER	246 mm	130 mm	.61 mm
LARGE RECEIVER	275 mm	145 mm	46 mm

KE	CEIVER UNIT	
SPECIFICATIONS	JD Model	JM Model
OPERATING FREQUENCY	2.4 GHz	868 Mhz
CHANNEL NUMBERS	80	8.
OPERATING DISTANCE	=100 m	=100 m
DATA ENCRYPTION CODE	16 Bit	32 Bit
DELAY OF THE RECEIVER	-15	×15
RESPONSE TIME	<25 ms	« 40 ms
RT FOR EMERGENCY	+25 ms	« 40 ms
RECEIVER LINK TYPE	19:1	WIFI - CANSUS
NUMBER OF PROCESSOR	240	2
NUMBER OF EIGITAL OUTPUT	總	10
NUMBER OF DIGITAL INPUT	020	16
NUMBER OF OUTPUT PWM	550	8
EXTRA AERIAL	OPTIONAL	OPTIONAL
OPERATING - STORAGE TEMPERATURE RANGE	-40 °C + +85 °C	40 °C - +85 °C
ENCLOSURE PROTECTION RATING	IP 85	IP 65
BODY STRUCTURE	POLYAMID	POLYAMID
SUPPLY VOLTAGE	48-110-2250 VAC or [7- 35VAC -10-50VDC)	12 VDC Or 24 VDC
CURRENT POWER	5 W	20 W
OUTPUT RELAY IGNITION CAPACITY	10A 230 V	×
STOP RELAY IGNITION CAPACITY	10A 230 V	93
DIMENSIONS	DEPANDS ON THE MODEL	DEPANDS ON THE MODEL
MAXIMUM WEIGHT	DEPANDS ON THE MODEL	DEPANDS ON THE MODEL

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#### **DIGITAL**











#### JPD00001

- \* 6 movement double step digital output
- \* Double start button
- \* Light on/off switch
- \* Start/horn output
- \* Run output

(The relay that outputs when any button is pressed)

#### JPD00021

- \* 8 movement digital output
- \* 4 permanent digital output
- \* Light on/off switch
- \* Start/horn output
- \* Run output

( The relay that outputs when any button is pressed )

#### JPD 00022

- \* 8 permanent digital output
- \* Double start button
- \* Start/ output
- \* Run output

(The relay that outputs when any button is pressed)

#### JPD00023

- \* 6 movement 5 step digital output
- \* Double start button
- \* Light on/off output
- \* 2/1/1+2 tandem or multiple control selecting
- \* Start/horn output
- \* Run output

(The relay that outputs when any button is pressed)

#### JPD00024

- \* 6 movement 2 step digital output
- \* Double start button
- \* Light on/off switch
- \* 2/2/1/+2 tandem or multiple control selecting
- \* Start/horn output
- \* Run output

( The relay that outputs when any button is pressed )



#### JPD00025

- \* 18 digital output
- \* Double start button
- \* Start/horn output
- \* Run output

(The relay that outputs when any button is pressed)



#### JPD00026

- \* 22 digital output
- \* Double start button
- \* Start/horn output
- \* Run outputtt

(The relay that outputs when any button is pressed)



#### JPD00028

- \* 8 movement 2 step digital output
- \* Double start button
- \* Light on/off switch
- \* Start/horn output
- \* Run output

(The relay that outputs when any button is pressed)



#### JPD00029

- \* 12 digital output
- \* Start/horn
- \* Run outputt

(The relay that outputs when any button is pressed)



## ANKA SERIES JOYSTICK REMOTE CONTROL SYSTEMS

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#### **ANALOG**



#### JPA00001

- \* 6 movement 0-10 analog output
- \* Double start button
- \* Light on/off switch
- \* Run output

(The relay that outputs when any button is pressed)



#### JPA00023

- \* 2 units 0-10 V analog output
- \* 14 digital output
- \* Double start button
- \* Start/horn output
- \* Run output

(The relay that outputs when any button is pressed)



#### JPA00021

- \* 4 analog output
- \* 2 units 0-10 V analog speed control
- \* 2/2/1/+2 Ttandem or multiple control selecting
- \* Start/horn output
- \* Run output

(The relay that outputs when any button is pressed)



#### JPA00025

- \* 8 units 0-10 V analog output
- \* Double start button
- \* Light on/off switch
- \* Start/horn output
- \* Aux button
- \* Adjustable output options ( slow-fast )
- \* 0-1 selector switch
- \* Run output ( The relay that outputs when any button is pressed )



#### JPA00022

- \* 6 movement 2 steps digital output
- \* Double start button
- \* Light on/off switch
- \* 2/1/1+2 tandem or multiple control selecting
- \* Start/horn output
- \* Run output (The relay that outputs when any button is pressed)





Using EC modules.\*
Extra EMC module for more than 8 PWM output. \*\*

#### MOBILE MACHINE CONTROL 1

- \* CAN bus ( CANopen, CAN J1939, CAN Generic )
- \*Pwm proportional control\*
- \* 8-16-32 expandable PWM outputs \*\*
- \* Digital output
- \* RTC ( Real Time Clock )
- \* Configurable button and switch
- \* Non-contact switch (optional fixing application)
- \* RFID ( Automatic Identification )
- \* 4.3 " inc colorful display

**JOYSTICK REMOTE CONTROL SYSTEMS** 

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#### **EN SERIES RADIO REMOTE CONTROL**

EN X, ESX, MID and MAX concepts was specially designed for ease of use. EN Series Remotes are mainly used in construction cranes, overhead travelling cranes and in different kinds of applications. New series can be used in rolling plant, iron & steel, marble and many different industries. The remote body case is designed to stand impacts and harsh environment. Remote buttons are single & double step and can be used with gloves.





Foot-treadle remote control Code: PEDAL-101

- EN Series are manufactured 2,4,6,8,10 & 12 buttons. EN Series have 4 different models EN-X, EN-ESX,EN-MID and EN-MAX have 250 hours battery life.
- In all series emergency stop button, low battery signal, emegency and status LEDS are available.
- In all remote control models that have removable safety key are only used by authorized person. The iChip allows to continue without interruption if you have plugged into another EN-X, EN-MAX, EN-MAX and EN-MAX models.
- In the **EN-MAX** model, when the "start" button is momentarily pressed it gives the horn output, when the same button is pushed, the receiver switches to the starting position. All models are manufactured in accordance with the directives of the new generation technology SIL3 safety features.
- EN-ESX, EN-MAX receiver and transmitter are in continuous communication. If no operation is performed for 3 minutes and the shooting distance of 100 meters is exceeded or the battery is removed, it goes into emergency stop mode
- **EN-MAX** has 3 microprocessors with double safety relays.
- With **EN-MAX** Remote Control Series, safety and sensitivity are at the highest level.
- In EN-X remote control models are available for 6, 8, 10 buttons, in addition EN-ESX and EN-MAX remote control models are available 6, 8, 10, 12 buttons remote control systems.
- All movements of the **EN-X** series remote control models have dual-output.



# ANKA SERIES JOYSTICK REMOTE CONTROL SYSTEMS

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### **EN SERIES TECHNICAL FEATURES**

TRANSMITTE	RUNIT			
MODEL	ESX MID MAX			X
FREQUENCY	2.4 GHz I.S.M. BAND			
BUTTON UNIT	6,8,10 2,4,6,8,10,12 2,4,6,8,10,12 6,8			6,8,10
NUMBER OF CHANNEL	80			
OPERATING DISTANCE	≈ 100 m			
EMISSION POWER OF THE R.F. SYSTEM	10 mW ERP (INTERNAL ANTENNA)			
AVAILABLE PAIRING ADDRESS		65536		
DELAY TIME ON RECEIVER START		< 1 s		
COMMAND RESPONSE TIME		< 20 ms		
EMERGENCY RESPONSE TIME	< 20 ms			
OPERATING TEMPERATURE RANGE	-40 °C - +85 °C			
ENCLOSURE PROTECTION RATING	IP 65			
MATERIAL	POLYAMID			
POWER REQUIREMENTS	3 VDC			
BUTTON DIAMETER		20 MM		
DRAWN CURRENT	19mA			
BATTERY	2xAA BATTERY			
CONTINUOUS OPERATION	>250 hours			
ADVICED TIME BATTERY LOW SIGNAL	30 min (DURACELL BATTERY)			
BUTTON 2 (INCLUDED BATTERY)	= 277 GR			
BUTTON 4 (INCLUDED BATTERY)	≈ 290 GR			
BUTTON 6 (INCLUDED BATTERY)	= 330 GR			
BUTTON 8 (INCLUDED BATTERY)		= 370 GR		
BUTTON 10 [INCLUDED BATTERY]		≈ 410 GR	į	
BUTTON 12 (INCLUDED BATTERY)		= 450 GR		

RECEIVER UNIT		
FREQUENCY	2.4 GHz I.S.M BAND	
NUMBER OF CHANNEL	80	
OPERATING DISTANCE	=100 m	
ON/OFF UNIT	MODELS HAVE DIFFERENT SIZES	
AVAILABLE PAIRING ADRESSES	65536	
DELAY TIME ON RECEIVER START	< 1 s	
COMMAND RESPONSE TIME	< 20 ms	
EMERGENCY RESPONSE TIME	< 20 ms	
OPERATING TEMPERATURE RANGE	-40 °C ~ +85 °C	
ENCLOSURE PROTECTION RATING	IP 65	
MATERIAL	POLYAMID	
POWER REQUIREMENTS	48-110-220 VAC or [7-35VAC-10-50VDC]	
POWER DEMAND	3.2W MAX.	
OUTPUT RELAY CONTACT CAPACITY	10A 230 V	
STOP RELAY CONTACT CAPACITY	10A 230 V	
SIZES	MODELS HAVE DIFFERENT SIZES	
MAX. WEIGHT	MODELS HAVE DIFFERENT SIZES	



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#### **EN MID SERIES PRODUCTS**

	_   N   I   I	IID SERIES PRODUCTS
2	201	2 Buttons Single Step Radio Remote Crane Control System
2	201 -A	2 Buttons Single Step + AUX Output Radio Remote Crane Control System
2	202	2 Buttons Double Step Radio Remote Crane Control System
2	202 - A	2 Buttons Double Step + AUX Output Radio Remote Crane Control System
4	401	4 Buttons Single Step Radio Remote Crane Control System
4	401 -A	4 Buttons Single Step + AUX Output Radio Remote Crane Control System
4	402	4 Buttons Double Step Radio Remote Crane Control System
4	402 - A	4 Buttons Double Step + AUX Output Radio Remote Crane Control System
(	601	6 Buttons Single Step Radio Remote Crane Control System
(	601 - A	6 Buttons Single Step + AUX Output Radio Remote Crane Control System
(	602	6 Buttons Double Step Radio Remote Crane Control System
	602 - A	6 Buttons Double Step + AUX Output Radio Remote Crane Control System
(	601 -S1	6 Buttons Single Step, With 0-1 Selector Switch RRCCS
6	602 - S1	6 Buttons Double Step, With 0-1 Selector Switch RRCCS
(	601 - S2	6 Buttons Single Step, With 1-0-2 Selector Switch RRCCS
(	602 - S2	6 Buttons Single Step, With 1-0-2 Selector Switch RRCCS
8	801	8 Buttons Single Step Radio Remote Crane Control System
8	B01 - A	8 Buttons Single Step + AUX Output Radio Remote Crane Control System
3	802	8 Buttons Double Step Radio Remote Crane Control System
8	802 - A	8 Buttons Double Step + AUX Output Radio Remote Crane Control System
8	801 - S1	8 Buttons Single Step ,With 0-1 Selector Switch RRCCS
3	802 - S1	8 Buttons Double Step, With 0-1 Selector Switch RRCCS
8	801 - S2	8 Buttons Single Step, With 1-0-2 Selector Switch RRCCS
	802 - S2	8 Buttons Double Step, With 1-0-2 Selector Switch RRCCS
1	1001	10 Buttons Single Step Radio Remote Crane Control System
1	1001 - A	10 Buttons Single Step + AUX Output Radio Remote Crane Control System
1	1002	10 Buttons Double Step Radio Remote Crane Control System
1	1002 - A	10 Buttons Double Step + AUX Output Radio Remote Crane Control System
1	1001 - S1	10 Buttons Single Step, With 0-1 Selector Switch RRCCS
1	1002 - S1	10 Buttons Double Step, With 0-1 Selector Switch RRCCS
1	1001 - S2	10 Buttons Single Step, With 0-1-2 Selector Switch RRCCS
1	1002 - S2	10 Buttons Double Step, With 0-1-2 Selector Switch RRCCS
1	1201	12 Buttons Single Step Radio Remote Crane Control System
1	1201 - A	12 Buttons Single Step + AUX Output Radio Remote Crane Control System
1	1202	12 Buttons Double Step Radio Remote Crane Control System
1	1202 - A	12 Buttons Double Step + AUX Output Radio Remote Crane Control System
1	1201 - S1	12 Buttons Single Step, With 0-1 Selector Switch RRCCS
1	1202 - S1	12 Buttons Double Step, With 0-1 Selector Switch RRCCS
1	1201 - S2	12 Buttons Single Step, With 1-0-2 Selector Switch RRCCS
1	1202 - S2	12 Buttons Double Step With 1-0-2 Selector, Switch RRCCS

#### **EN ESX - EN MAX SERIES PRODUCTS**

601	6 Buttons Single Step Radio Remote Crane Control System
601 - A	6 Buttons Single Step + AUX Output Radio Remote Crane Control System
602	6 Buttons Double Step Radio Remote Crane Control System
602 - A	6 Buttons Double Step + AUX Output Radio Remote Crane Control System
601 -S1	6 Buttons Single Step, With 0-1 Selector Switch RRCCS
602 - S1	6 Buttons Double Step, With 0-1 Selector Switch RRCCS
601 - S2	6 Buttons Single Step, With 1-0-2 Selector Switch RRCCS
602 - S2	6 Buttons Single Step, With 1-0-2 Selector Switch RRCCS
801	8 Buttons Single Step Radio Remote Crane Control System
801 - A	8 Buttons Single Step + AUX Output Radio Remote Crane Control System
802	8 Buttons Double Step Radio Remote Crane Control System
802 - A	8 Buttons Double Step + AUX Output Radio Remote Crane Control System
801 - S1	8 Buttons Single Step ,With 0-1 Selector Switch RRCCS
802 - S1	8 Buttons Double Step, With 0-1 Selector Switch RRCCS
801 - S2	8 Buttons Single Step, With 1-0-2 Selector Switch RRCCS
802 - S2	8 Buttons Double Step, With 1-0-2 Selector Switch RRCCS
1001	10 Buttons Single Step Radio Remote Crane Control System
1001 - A	10 Buttons Single Step + AUX Output Radio Remote Crane Control System
1001-7	To Battorio Ginglo Gtop 1 / to / Gatpat Hadio Hometo Grano Gontrol Gystom
1001-7	10 Buttons Double Step Radio Remote Crane Control System
	<u> </u>
1002	10 Buttons Double Step Radio Remote Crane Control System
1002 1002 - A	10 Buttons Double Step Radio Remote Crane Control System 10 Buttons Double Step + AUX Output Radio Remote Crane Control System
1002 1002 - A 1001 - S1	Buttons Double Step Radio Remote Crane Control System     Buttons Double Step + AUX Output Radio Remote Crane Control System     Buttons Single Step, With 0-1 Selector Switch RRCCS
1002 1002 - A 1001 - S1 1002 - S1	10 Buttons Double Step Radio Remote Crane Control System 10 Buttons Double Step + AUX Output Radio Remote Crane Control System 10 Buttons Single Step, With 0-1 Selector Switch RRCCS 10 Buttons Double Step, With 0-1 Selector Switch RRCCS
1002 1002 - A 1001 - S1 1002 - S1 1001 - S2	10 Buttons Double Step Radio Remote Crane Control System 10 Buttons Double Step + AUX Output Radio Remote Crane Control System 10 Buttons Single Step, With 0-1 Selector Switch RRCCS 10 Buttons Double Step, With 0-1 Selector Switch RRCCS 10 Buttons Single Step, With 0-1-2 Selector Switch RRCCS
1002 1002 - A 1001 - S1 1002 - S1 1001 - S2 1002 - S2	10 Buttons Double Step Radio Remote Crane Control System 10 Buttons Double Step + AUX Output Radio Remote Crane Control System 10 Buttons Single Step, With 0-1 Selector Switch RRCCS 10 Buttons Double Step, With 0-1 Selector Switch RRCCS 10 Buttons Single Step, With 0-1-2 Selector Switch RRCCS 10 Buttons Double Step, With 0-1-2 Selector Switch RRCCS
1002 1002 - A 1001 - S1 1002 - S1 1001 - S2 1002 - S2 1201	10 Buttons Double Step Radio Remote Crane Control System 10 Buttons Double Step + AUX Output Radio Remote Crane Control System 10 Buttons Single Step, With 0-1 Selector Switch RRCCS 10 Buttons Double Step, With 0-1 Selector Switch RRCCS 10 Buttons Single Step, With 0-1-2 Selector Switch RRCCS 10 Buttons Double Step, With 0-1-2 Selector Switch RRCCS 12 Buttons Single Step Radio Remote Crane Control System
1002 - A 1001 - S1 1002 - S1 1002 - S1 1001 - S2 1002 - S2 1201 1201 - A	10 Buttons Double Step Radio Remote Crane Control System 10 Buttons Double Step + AUX Output Radio Remote Crane Control System 10 Buttons Single Step, With 0-1 Selector Switch RRCCS 10 Buttons Double Step, With 0-1 Selector Switch RRCCS 10 Buttons Single Step, With 0-1-2 Selector Switch RRCCS 10 Buttons Double Step, With 0-1-2 Selector Switch RRCCS 10 Buttons Double Step, With 0-1-2 Selector Switch RRCCS 12 Buttons Single Step Radio Remote Crane Control System 12 Buttons Single Step + AUX Output Radio Remote Crane Control System
1002 - A 1001 - S1 1002 - S1 1002 - S1 1001 - S2 1002 - S2 1201 1201 - A	10 Buttons Double Step Radio Remote Crane Control System 10 Buttons Double Step + AUX Output Radio Remote Crane Control System 10 Buttons Single Step, With 0-1 Selector Switch RRCCS 10 Buttons Double Step, With 0-1 Selector Switch RRCCS 10 Buttons Single Step, With 0-1-2 Selector Switch RRCCS 10 Buttons Double Step, With 0-1-2 Selector Switch RRCCS 12 Buttons Double Step, With 0-1-2 Selector Switch RRCCS 12 Buttons Single Step Radio Remote Crane Control System 12 Buttons Double Step Radio Remote Crane Control System 12 Buttons Double Step Radio Remote Crane Control System
1002 1002 - A 1001 - S1 1002 - S1 1001 - S2 1002 - S2 1201 1201 - A 1202 1202 - A	10 Buttons Double Step Radio Remote Crane Control System 10 Buttons Double Step + AUX Output Radio Remote Crane Control System 10 Buttons Single Step, With 0-1 Selector Switch RRCCS 10 Buttons Double Step, With 0-1 Selector Switch RRCCS 10 Buttons Single Step, With 0-1-2 Selector Switch RRCCS 10 Buttons Double Step, With 0-1-2 Selector Switch RRCCS 11 Buttons Double Step, With 0-1-2 Selector Switch RRCCS 12 Buttons Single Step Radio Remote Crane Control System 13 Buttons Double Step + AUX Output Radio Remote Crane Control System 14 Buttons Double Step Radio Remote Crane Control System 15 Buttons Double Step + AUX Output Radio Remote Crane Control System
1002 1002 - A 1001 - S1 1002 - S1 1001 - S2 1002 - S2 1201 1201 - A 1202 1202 - A 1201 - S1	10 Buttons Double Step Radio Remote Crane Control System 10 Buttons Double Step + AUX Output Radio Remote Crane Control System 10 Buttons Single Step, With 0-1 Selector Switch RRCCS 10 Buttons Double Step, With 0-1-2 Selector Switch RRCCS 10 Buttons Double Step, With 0-1-2 Selector Switch RRCCS 10 Buttons Double Step, With 0-1-2 Selector Switch RRCCS 12 Buttons Single Step Radio Remote Crane Control System 12 Buttons Single Step + AUX Output Radio Remote Crane Control System 12 Buttons Double Step Radio Remote Crane Control System 12 Buttons Double Step + AUX Output Radio Remote Crane Control System 12 Buttons Double Step + AUX Output Radio Remote Crane Control System 12 Buttons Double Step, With 0-1 Selector Switch RRCCS 12 Buttons Double Step, With 0-1 Selector Switch RRCCS

#### **EN X SERIES PRODUCTS**

X6	6 Buttons Double Step Radio Remote Crane Control System
X6 - A	6 Buttons Double Step + Aux Output Radio Remote Crane Control System
X6 - S1	6 Buttons Double Step With 0-1 Selector Switch RRCCS
X6 - S2	6 Buttons Double Step With 1-0-2 Selector Switch RRCCS
X8	8 Buttons Double Step Radio Remote Crane Control System
X8 - A	8 Buttons Double Step Radio Remote Crane Control System
X8 - S1	8 Buttons Double Step With 0-1 Selector Switch RRCCS
X8 - S2	8 Buttons Double Step With 1-0-2 Selector Switch RRCCS
X10	10 Buttons Double Step Radio Remote Crane Control System
X10 - A	10 Buttons Double Step Radio Remote Crane Control System
X10 - S1	10 Buttons Double Step With 0-1 Selector Switch RRCCS
X10 - S2	10 Buttons Double Step With 1-0-2 Selector Switch RRCCS

# ELFATEK





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