

elfatek

Construction Machinery and Mobile Hydraulic Machines

2024-2025
PRODUCT CATALOG

PROMOTIONAL FILM



Seventeen years ago, inspired by an ancient civilization, we embarked on this exciting journey. We are proud to present to you the technological advancements we have achieved at Elfatek. In our 17-year story, condensed into a 4-minute promotional video, we invite you to a world full of mesmerizing innovations, all delivered in a documentary-like experience.

ABOUT US

Founded in 2006 and quickly becoming a leader in its industry, Elfatek Electronics is a research and development organization that exports its products worldwide, starting from Turkey with domestic production and capital. Elfatek entered this sector by producing crane remote controls and succeeded in creating Turkey's first 80-channel remote control with over 240 hours of continuous operation.

As of October 27, 2017, Elfatek was registered by the Ministry of Science, Industry, and Technology as the 1st R&D center in the industrial electrical sector in Konya and the 41st in Turkey overall.

Elfatek continues to evolve with its experienced and dynamic team, combining technological investments with original designs to produce high-performance and high-quality products that meet the needs of the industry.

Elfatek Electronics, which does not compromise on customer satisfaction during and after the sales process, approaches the needs for spare parts, repairs, etc., with great dedication and also offers customers detailed training on the products.

With the mission of "Developing high value-added, R&D-based industrial products to increase Turkey's competitive power," Elfatek Electronics continues to be the leading and preferred company in its sector without compromising its vision of "Developing industrial products at an international level and being a leader in R&D."

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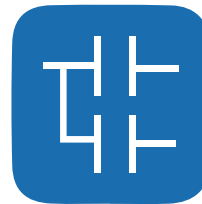
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#REMOTECONTROL



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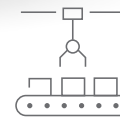
KUGU SERIES



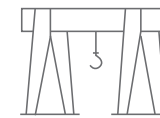
Machine
Technologies



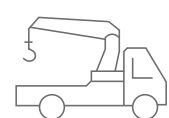
Automation
Systems



Industrial
Machines



Overhead
Cranes



Crane
Systems

PRODUCT DESCRIPTION

The Swan series wireless controller provides remote machine control and is suitable for crane-like machines, especially in the crane industry. It allows for six different movements with single or dual speed options. It is used in applications that require user management, thanks to RFID-based authorization. It can be integrated with authorization update and user tracking systems via CANBus.

GENERAL FEATURES

- 2.4GHz LORA-GFSK RF Module
- 100 Channels, 32-bit Code Definition
- 8 Buttons, Dual-Contact Emergency Stop
- 0.96 Inch Color TFT Display
- Drop Detection and System Shutdown
- RFID Reader (125KHz-13.56MHz optional)
- Audible Alert with Buzzer
- Communication Ports (optional): CAN2.0A/B [CANOpen], RS485, Ethernet, USB2.0
- Device Log System with SDCard (Optional)

COLOR SCREEN



Its ergonomic design makes it comfortable and easy to use.

START BUTTON



The start button is easily accessible.

EMERGENCY STOP BUTTON



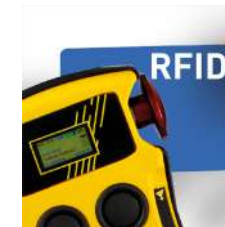
The emergency stop button is designed to be protected against impacts.

QUICK-RELEASE COVER/BATTERY



Due to its special design, it has a quick-release battery cover. It operates with 2 AA-sized alkaline batteries.

OPERATOR AUTHORIZATION CARD

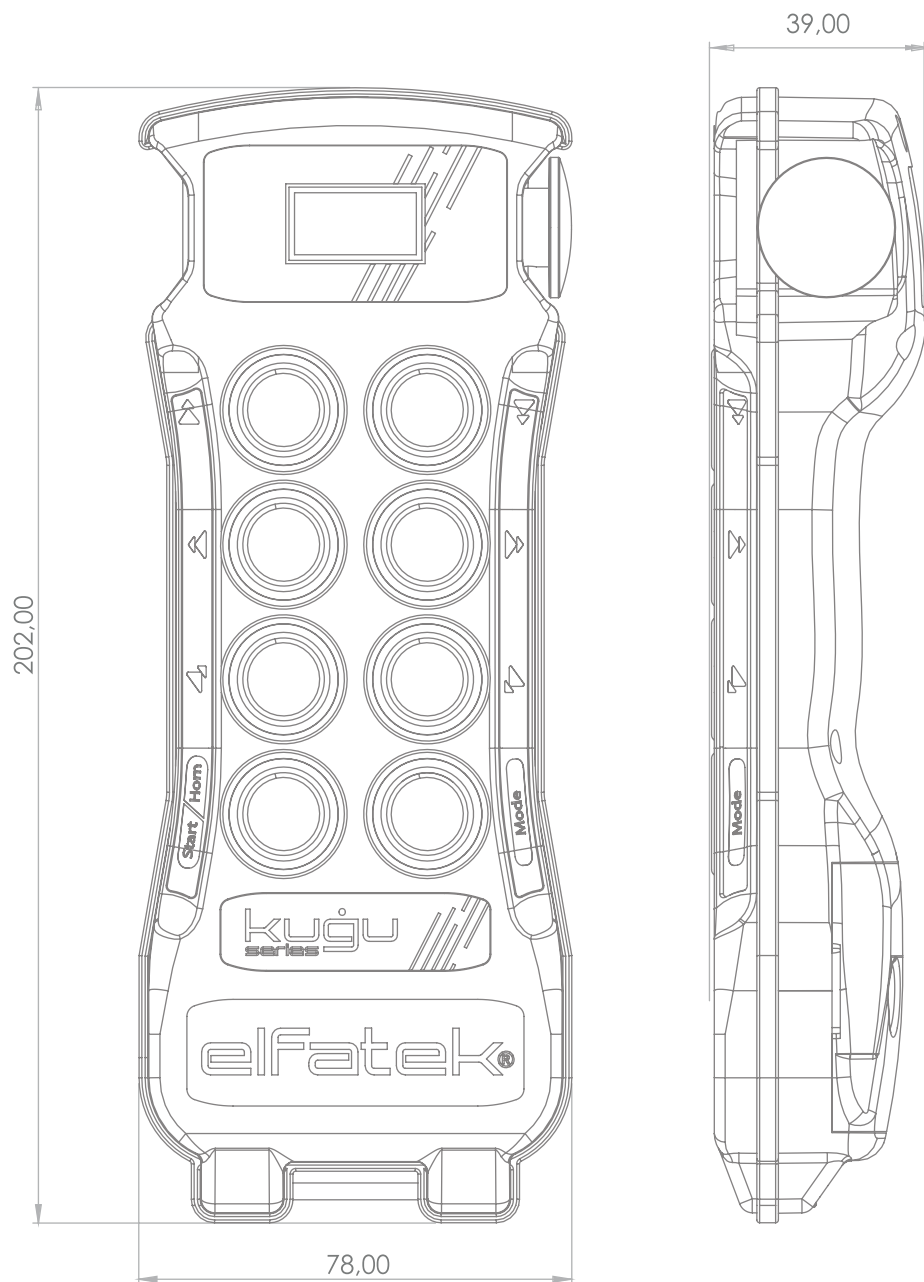


It allows only authorized personnel to use it.

MODE BUTTON



It changes the operating frequency modes (channel and code) of the controller. The mode button can be programmatically customized for specific applications.

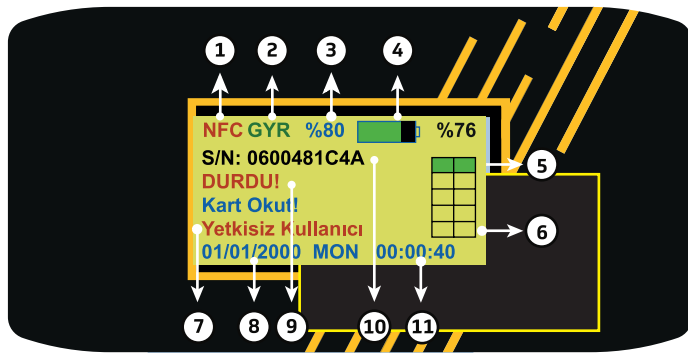


ELECTRICAL FEATURES

RECEIVER	85-265 VAC Operating Voltage
TRANSMITTER	2 Adet AA batteries

MECHANICAL FEATURES

RECEIVER	H:246, W:130, P:61 (mm)
TRANSMITTER	H:202, W:78, P:39 (mm)



1	RFID Card reader indicator (Red = Disabled, Green = Active, Blue = Failed to Initialize)
2	GYRO indicators (Red = Passive, Green = Active, Blue = Failed to Start)
3	Communication quality between receiver and controller
4	Battery indicator and charge level
5	EMERGENCY STOP status (Green: Emergency Stop Not Pressed, Red: Emergency Stop Pressed)
6	Status of the buttons (Blue: 1st Level, Red: 2nd Level, Yellow: Not Pressed)
7	Personnel authorization status and working status Authorized person The user defined to use the crane is within the working time frame. Unauthorized person Unidentified user not authorized to use the Crane Unauthorized time The user defined to use the crane is not within the working time frame
8	Current date information in Day / Month / Year format. In order for the authorization system to be active, the date and day information must be up-to-date and visible on the screen.
9	If the gyro is active, when a fall is detected, STOPED! message is displayed. To cancel this feature, the Gyro must be disabled from the menu.
10	When the operator card is read, the ID value is displayed.
11	Current time information in Hour:Minute:Second format. In order for the authorization system to be active, the time information must be up-to-date and visible on the screen.

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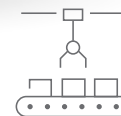
EN-Q SERIES



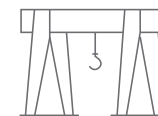
Machine
Technologies



Automation
Systems



Industrial
Machines



Overhead
Cranes



Crane
Systems

PRODUCT DESCRIPTION

The En-Q series wireless controller provides remote machine control and is suitable for crane-like machines, especially in the crane industry. It allows for six different movements with single or dual speed options. When used inside a metal panel, the antenna should be extended outside the panel using an extension cable.

AUX BUTTON



It is used for permanent output. (Horn and Light)

START BUTTON



The side start button is easily accessible.

EMERGENCY STOP BUTTON



The emergency stop button is designed to be protected against impacts.

QUICK-RELEASE COVER/BATTERY



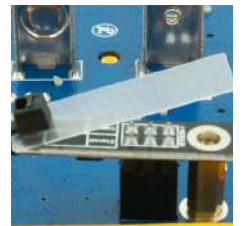
Due to its special design, it has a quick-release battery cover. It operates with 2 AA-sized alkaline batteries.

MODE BUTTON



It changes the operating frequency modes (channel and code) of the controller. The mode button can be customized for specific applications.

I-CHIP



It stores the operating frequency (channel and code) information of the controller.



I-Chip

The I-Chip stores the controller's operating frequency, channel, and code information. For example, if either your backup receiver or transmitter fails, you can transfer the I-Chip from the faulty unit to the functional backup unit, carrying over the channel and code information. This allows you to quickly get your equipment back up and running, minimizing downtime and enabling you to continue working without interruption.

HOW DO YOU PREFER ?

A rechargeable Li-ion battery offers long-lasting use. You can charge it with a special charger or via a USB cable, allowing you to recharge it anytime, anywhere.



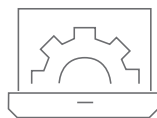
BATTERY



POWER UNIT



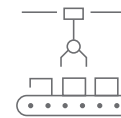
EN SERIES



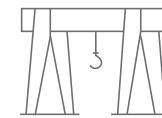
Machine Technologies



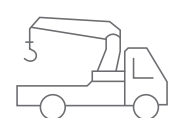
Automation Systems



Industrial Machines



Overhead Cranes



Crane Systems

PRODUCT DESCRIPTION

The MID, X, ESX, and MAX designs have been specially crafted by Elfatek Electronics to ensure ease of use. These models are particularly suited for construction cranes, overhead cranes, and specialized applications. They are widely used in various industries, including rolling mills, iron and steel, and marble sectors. The controller body is resistant to impacts and collisions. The buttons on the controller are either single or dual-stage and are suitable for use with gloves.

**AUX
BUTTON**



It is used for permanent output.
(Horn or Light)

**START
BUTTON**



The side start button is easily accessible.

*In the En series models, the start and horn functions are on the same button.

**EMERGENCY
STOP BUTTON**



The emergency stop button is designed to be protected against impacts.

**QUICK-RELEASE
COVER/BATTERY**



The quick-release battery cover features a double screw design and special construction. It operates with 2 AA-sized alkaline batteries.

**SAFETY
KEY**



It allows only authorized personnel to use it.
(Not RFID-based.)

I-CHIP



It carries the operating frequency (channel and code) information of the controller.

The EN series includes controllers with 2, 4, 6, 8, 10, and 12 buttons. The ENQ model has 8 buttons, of which 6 are used for control functions.

There are five different models: EN-MID, EN-X, EN-ESX, and EN-MAX.

It has a battery life of over 240 hours.

DIFFERENCES BETWEEN MODELS Modeller Arası Farklar

MODEL	MID	ESX	X	MAX	ENQ
Double EMG stop relays	NO YOK	YES VAR	NO YOK	YES VAR	YES VAR
Start/Korna butonu	YES VAR	YES VAR	YES VAR	YES VAR	NO YOK
Continuous Communication Between Receiver and Transmitter	NO YOK	YES VAR	NO YOK	YES VAR	NO YOK
Run relay	YES VAR	YES VAR	YES VAR	YES VAR	YES VAR
Power key	YES VAR	YES VAR	YES VAR	YES VAR	NO YOK
I-Chip	YES VAR	YES VAR	YES VAR	YES VAR	YES VAR
Separate relay for second speeds of all movements	NO YOK	NO YOK	YES VAR	NO YOK	NO YOK
3 Microprocessor	NO YOK	NO YOK	NO YOK	YES VAR	NO YOK
15-35 VAC/15-50 VDC SUPPLY VOLTAGE	OPTIONAL OPSİYONEL	OPTIONAL OPSİYONEL	OPTIONAL OPSİYONEL	OPTIONAL OPSİYONEL	OPTIONAL OPSİYONEL

Transmitter Unit				
Model	ESX	MID	MAX	X
Number of Button	6,8,10,12	2,4,6,8,10,12	2,4,6,8,10,12	6,8,10
Maximum Power ¹	36 mW			
Supply Voltage	3 VDC			
Frequency	2.4 GHz			
Number of Channel	80			
Operating Distance	100 m			
Emission Power of the RF System	10 mW ERP (Internal antenna)			
Operating and Storage Temperature	-40 °C ~ +85 °C			
Enclosure Protection Rating	IP 65 (2)			
Material	Polyamide			
Button Diameter	20 mm			
Battery	2XAA Alkaline Batteries			
Continuous Operation	≥240 hours			
Advised Time Battery Low Signal	30 minutes			
2 Buttons (Internal Battery)	310 GR			
4 Buttons (Internal Battery)	310 GR			
6 Buttons (Internal Battery)	345 GR			
8 Buttons (Internal Battery)	360 GR			
10 Buttons (Internal Battery)	385 GR			
12 Buttons (Internal Battery)	440 GR			

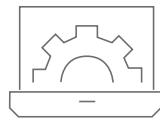
Receiver Unit				
Model	ESX	MID	MAX	X
Maximum Power ¹	10 W	8,8 W	10 W	8,8 W
Supply Voltage	48-110-220 VAC (15-35 VAC / 15-50 VDC)(3) (4)380 VAC/ (180 - 230 VAC)[5]			
Frequency	2.4 GHz			
Number of Channel	80			
Operating Distance	100 m			
Delay Time on Start Relay	≤ 40 ms		≤65 ms	
Delay Time on Command Relay	≤ 40 ms		≤65 ms	
Delay Time on Passive Emergency (EMG Passive)	≤ 40 ms		≤70 ms	
Operating and Storage Temperature	-40 °C ~ +85 °C			
Enclosure Protection Rating	IP 65 (2)			
Material	Polyamide			
Output Relay Contact Capacity	10A 250 VAC			
Stop Relay Contact Capacity	8A 250 VAC			
Weight / Size (box included)	Varies by model			

1. The values are applicable for the 6-button, dual-speed crane remote control set with a 220 VAC power supply. They may vary depending on the number of buttons.
2. IP (Ingress Protection) rating measures resistance to water and dust.
3. For the EN ESX, MID, and X model remote controls, this is an optional power supply voltage. It is standard for the MAX model.
4. The power supply voltage is optional for the controllers.
5. For the EN MID model, it is the power supply voltage for 2 and 4-button controllers.

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EKONOMİK
ÜRÜN

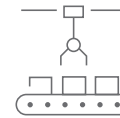
EN EKO SERIES



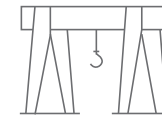
Machine
Technologies



Automation
Systems



Industrial
Machines



Overhead
Cranes



Crane
Systems

PRODUCT DESCRIPTION

The EN EKO SERIES is meticulously designed to enhance operational efficiency, offering cost savings over the long term due to its economical performance and durable construction. It is also priced to accommodate business budgets. The controller body is resistant to impacts and collisions, adding to the product's value. Additionally, it provides comprehensive and ideal solutions for businesses by offering fast and effective technical support.

GENERAL FEATURES

Supply Voltage	3 VDC
Button Number	2-4-6-8-10-12
Operating Distance	100 m
Operating and Storage Temperature	-40 ile +85 °C
Number of Channel	80
Enclosure Protection Rating	IP 65

START BUTTON



The side start button is easily accessible.

EMERGENCY STOP BUTTON



The emergency stop button is designed to be protected against impacts.

QUICK-RELEASE COVER/BATTERY



The quick-release battery cover features a double screw design and special construction. It operates with 2 AA-sized alkaline batteries.

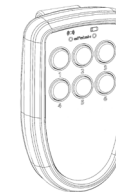
TURNA SERIES



10 BUTON



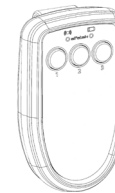
8 BUTON



6 BUTON



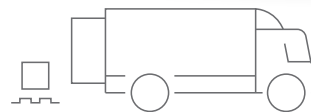
4 BUTON



3 BUTON



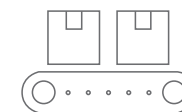
Elevator and Crane
Systems



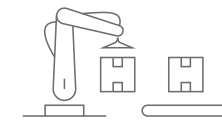
Logistics
Applications



Machine
Technologies



Conveyor
Applications



Automation
Systems



PRODUCT DESCRIPTION

RF (Radio Frequency) remote control devices are designed for use with equipment that requires remote operation. They are suitable for industrial machines, automatic doors, and tow trucks. Custom label designs can be created according to the project requirements.

GENERAL FEATURES

Supply Voltage	48~265 VAC / 9~48 VDC (Opsiyonel)
Button Number	10-8-6-4-3
Material	Polyamide
Operation and Storage temperature	-40 to +85 °C
Number of Channel	127
Operating Distance	100 m

COMPACT DESIGN

The Turna series remote controls have a compact design, making them small in size.

EASILY PORTABLE

Thanks to the strap attachment on the back of the remote, it can be easily hung up or conveniently carried in a pocket due to its small size.

CUSTOM BUTTON DESIGNS

The remote can be customized for the user with 10, 8, 6, 4, or 3 buttons, and digital printing can be applied to these buttons according to customer specifications (Optional).

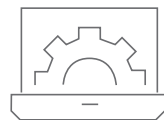
LED INDICATOR

The function indicator LED on the remote can be used by the user for special applications.

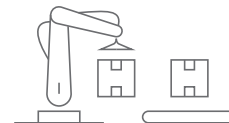
CUSTOM SOLUTIONS

The Turna series remotes offer easy and quick solutions for your special projects with their programmable feature.

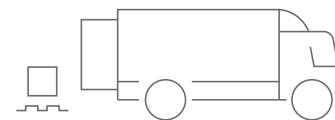
ANKA SERIES



Machine
Technologies



Automation
Systems



Logistics
Applications



Crane
Systems

PRODUCT DESCRIPTION

The Anka series joystick remote is designed for industrial applications. It features a joystick control for precise movement control and allows for remote operation of devices thanks to its wireless communication capability. The Anka series joystick remote can be used in various industrial applications, such as machinery, cranes, and lifting equipment. It is made from durable materials and has a user-friendly design.

GENERAL FEATURES

Supply Voltage	3 VDC
Maximum Power	96 mW
Emission Power of the RF System	10 mW ERP (Dahili Anten)
Material	Polyamide
Operating and Storage Temperature	-40 ile +85 °C
Number of Channel	80
Operating Distance	100 m
Frequency	2.4 GHz ISM Band

JOYSTICK CONTROL

The Anka series joystick remote features a precise joystick control for managing movements. This control allows the user to directly and accurately adjust parameters such as direction, speed, and position.

WIRELESS COMMUNICATION

The Anka series joystick remote has a wireless communication feature, enabling the user to control devices remotely and safely.

HIGH DURABILITY

The Anka series joystick remote is made from durable materials, providing protection against impacts and environmental conditions. This ensures the device's longevity and reliable performance over time.

MULTIFUNCTIONALITY

The Anka series joystick remote can be used in various industrial applications. For example, it is suitable for use in machinery, cranes, lifting equipment, and many other applications.

USER-FRIENDLY DESIGN

The Anka series joystick remote features a user-friendly design. This design is specifically developed to ensure that users can operate it easily and with minimal fatigue.

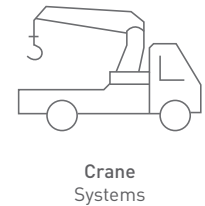
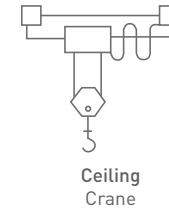
elfatek



ROPE ANGLE LIMIT SENSOR



PATENTLİ
ÜRÜN



PRODUCT DESCRIPTION

The rope angle limit sensor is designed to enhance crane and operational safety by preventing the crane from lifting loads if the rope exceeds adjustable limit values on two axes. It features one relay output.

PATENTED PRODUCT

Our product is patented to maintain our growing quality.

AXIS USAGE

It measures the angle limit values on both the X and Y axes.

#limitsensor

USAGE ADVANTAGE

It prevents damage to the crane's drum and rope guide sections and helps to avoid workplace accidents.

PROVIDES PROTECTION

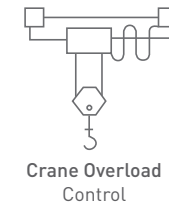
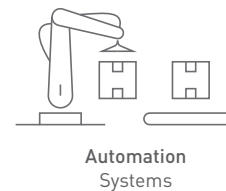
When the angle deviates or exceeds the set limit, it halts the movement and prevents the device from lifting the load.

GENERAL FEATURES

- 2-axis angle measurement
- 2-axis digital angle display
- 1 relay output
- Digital control panel
- Angle limit control with adjustable angle values
 - Can be mounted on the rope with a load cell due to its ergonomic design
 - Offset button to set any angle value as the starting point

Supply Voltage	48~265 VAC veya 24~36 VDC (opsiyonel)
Maximum Power	1.5W (24 VDC besleme) / 2W (265 VAC besleme)
Communication	RS232 veya CANBus (opsiyonel)
Material	ABS
Operating Temperature	-40°C ile +85°C
Storage Temperature	-40°C ile +85°C
Enclosure Protection Rating	IP65
Weight	360 gr
Warranty	2 years

SINGLE INPUT OVERLOAD INDICATOR



PRODUCT DESCRIPTION

The overload control indicator integrates with LoadCell products and provides easy connection to industrial control devices. It is a robust and high-quality control unit designed for cranes with 4 relay outputs. The indicator is used to prevent lifting operations from continuing if the load exceeds the crane's capacity, providing an alert in hook cranes when the load is too high.

USAGE ADVANTAGE

The overload indicator prevents lifting loads that exceed the crane's capacity, thereby reducing the risk of workplace accidents and material damage. It also extends the crane's operational lifespan.

COMMUNICATION FEATURES

It supports connectivity to external systems via RS232 (optional) or CANBus (optional) communication lines and features an analog output.

CALIBRATION FEATURE

Calibration can be performed in two different ways according to the load cell parameters and using a load with a known weight.

EXTERNAL DISPLAY

It can be connected to an external digital display to monitor the process from long distances.

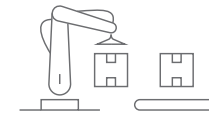
GENEL ÖZELLİKLER

- 6-digit 7-segment LED display screen
- 6 user buttons
- 6 LED status indicators
- 1 load cell connection
- 4 adjustable NO/NC contact 10A relays
- 1 adjustable analog output
- RS232 communication line (Optional)
- CANBus communication line (Optional)

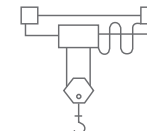
Supply Voltage	48~265 VAC / 24~36 VDC (Opsiyonel)
Sensor Input	1 load cell input
Signal	4 relays (RL1, RL2, RL3, RL4) - 1 analog output
Relay Positions	All relay positions are adjustable. RL 1-2 common, RL 3-4 common
Operating Temperature	-40°C to +85°C
Load Control Unit Weight	218 gr
Communication Features	RS232 communication line (Optional) CANBus communication line (Optional)

elfatek

DUAL
LOAD CELL
INDICATOR



Automation Systems



Crane Overload Control



Mobile Crane

PRODUCT DESCRIPTION

The dual load cell overload control indicator integrates with LoadCell products and provides easy connectivity to industrial control devices. It is a robust and high-quality control unit designed for cranes with 8 relay outputs. Specifically designed for dual trolley/dual hook cranes, it can measure the weight of each load attached to each hook separately, as well as the total weight.

ADVANTAGES OF USE

For products with CANBus support, data transfer and parameter adjustments can be performed via PLC and computer using the CANopen protocol.

COMMUNICATION FEATURE

Unlike the single load cell indicator, it includes both RS232 and CANBus communication options as standard features, rather than being optional.

CALIBRATION FEATURE

Calibration can be performed in two different ways: according to the load cell parameters or using a load with a known weight.

WEIGHT FEATURE

The system provides separate displays for the weight of each hook and a total weight display. It features 8 relays and 2 load cell connections.

#dualloadcellindicator

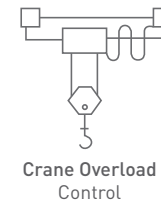
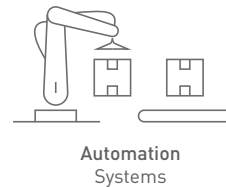
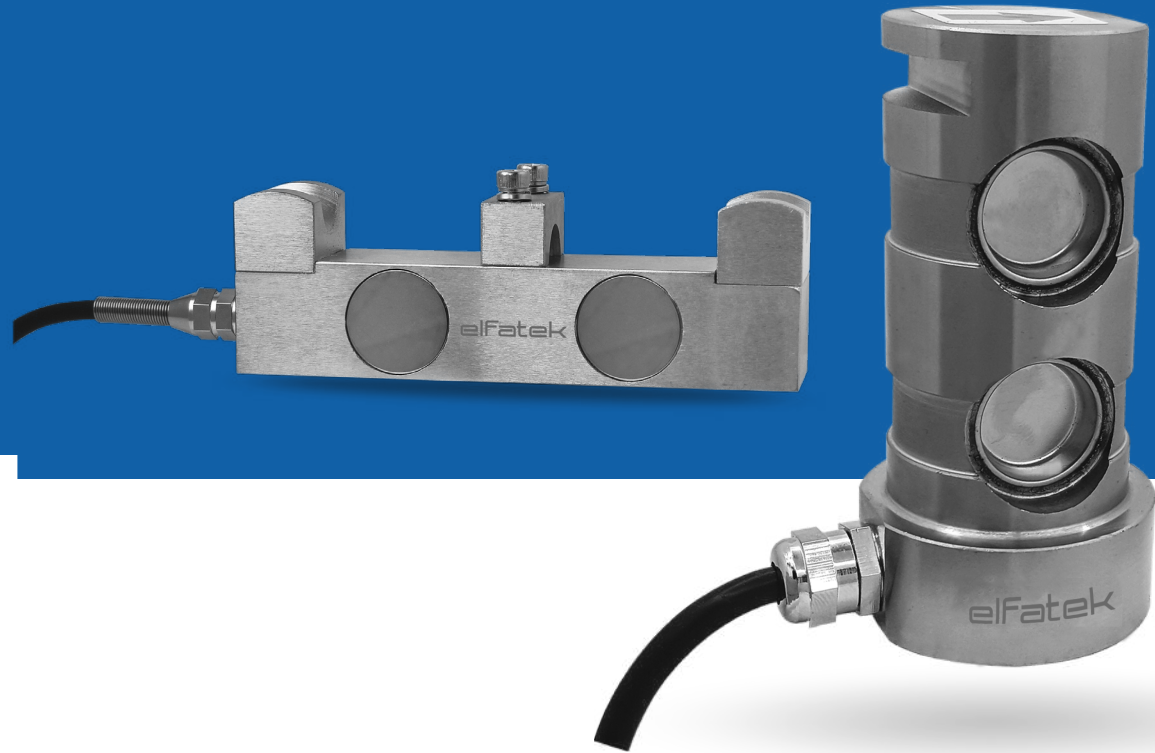
GENERAL FEATURES

- 6-digit 7-segment LED display screen
- 6 user buttons
- 6 LED status indicators
- 8 LED indicators for relay status
- 2 load cell connections
- 8 adjustable NO/NC contact 10A relays
- 4 digital inputs (12V)
- 2 adjustable analog outputs

Supply Voltage	48~265 VAC / 24~36 VDC
Sensor Input	2 load cell inputs
Signal	8 relays, 2 analog outputs, 4 digital inputs
Relay Positions	All relay positions are adjustable. RL 1-2 common, RL 3-4 common, RL 5-6 common, RL 7-8 common
Operating Temperature	-40°C to +85°C
Load Control Unit Weight	400 gr.
Communication Features	RS232 communication line CANBus communication line

LOADCELL

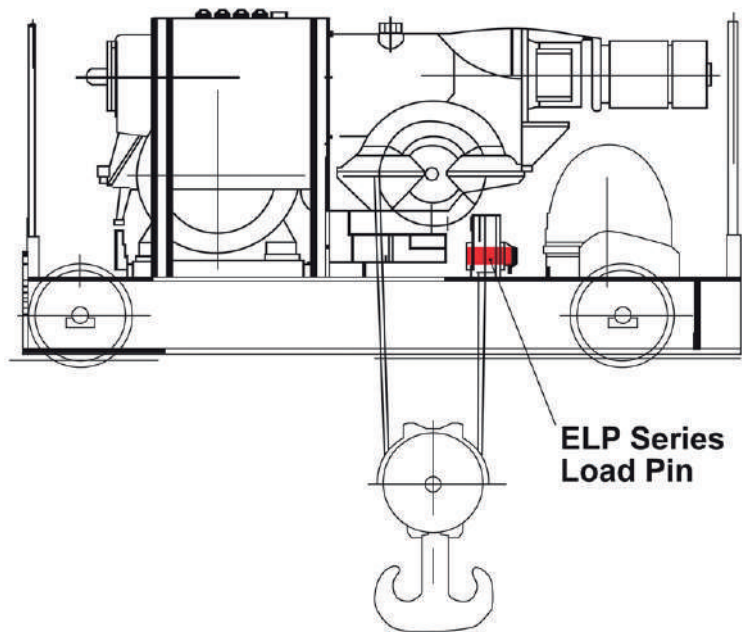
ROPE TYPE & PIN TYPE



PRODUCT DESCRIPTION

The load cells are made from specially alloyed steel and are designed for use in crane overload systems, suitable for all types of wire rope cranes. When used in conjunction with the overload control indicator, they create a safe working environment for your crane.

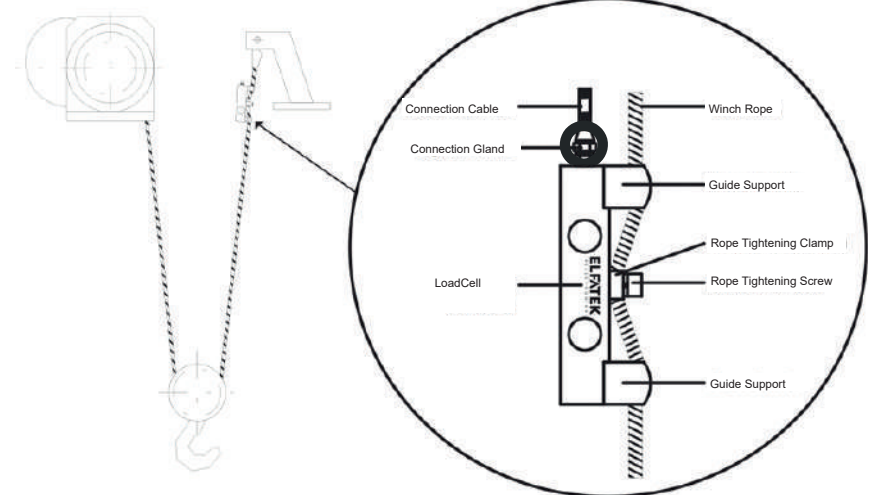
PIN TYPE



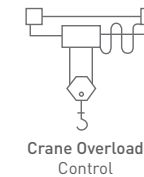
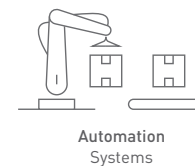
CABLE TYPE

OVERLOAD SWITCH

LoadCell



REMOTE DISPLAY



PRODUCT DESCRIPTION

External digital display devices, due to their large size, are used as panel meters to monitor processes from a distance. They are easily visible from up to 50 meters in indoor environments. The use and installation of external digital displays are extremely simple.

GENERAL FEATURES

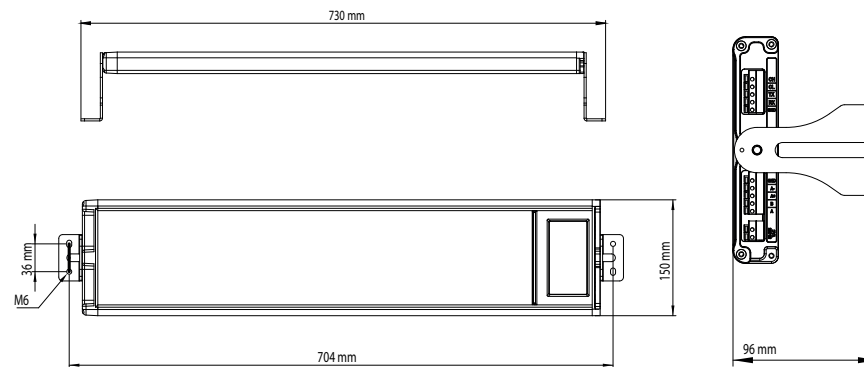
Supply Voltage	85~265 VAC / 24~36 VDC
Body Construction	Dayanıklı alüminyum + ABS gövde
Display	2 adet LED durum göstergesi
Power Consumption	6W
Operating and Storage Temperature	-40 °C ile 85 °C
Communication Features	RS232 communication line CANBus communication line 0-10V analog input 4-20mA analog input
Device Dimensions	20mm x 670mm x 150mm (Width x Length x Height)

PURPOSE OF USE

The external digital display is an industrial device that shows the weight of the load attached to the crane's hook.

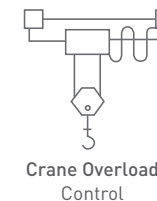
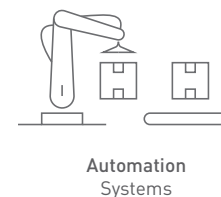
RELAY CONTROLS

The load indicator measures the weight value and transmits it through RS232/CANBus and analog communication channels to large display screens, allowing the user to have detailed information about the weight value.



R10

REMOTE-CONTROLLED
EXTERNAL DIGITAL DISPLAY &
LOAD CONTROL INDICATOR



PRODUCT DESCRIPTION

The display device and load indicator are used to prevent lifting operations from continuing if the load exceeds the crane's capacity by providing an alert. This helps prevent potential workplace accidents and material damage. Additionally, external system connections can be made via communication lines. The integration of the display panel and load indicator allows for easy installation. Since the system can be controlled via a remote control, device access for parameter adjustments is not necessary. Device parameters can be changed via CANOpen.

GENERAL FEATURES

Supply Voltage	-85~265V AC operating voltage (Optional) -48~110V AC operating voltage (Optional) -24~36V DC operating voltage (Optional)
Body Construction	Durable aluminum + ABS body
Display	6-digit 7-segment LED display panel
Power Consumption	100 - 350 mA (No Load/Full Load)
Operating and Storage Temperature	-40 °C ile 85 °C
Communication Features	RS232 communication line CANBus communication line
Relay Feature	3 adjustable NO contact 7A relays
Parameter Adjustment	Remote control

MODE OF USE

Since the device can be controlled via remote control, access to the device for parameter adjustments is not necessary.

PRODUCT ADVANTAGE

The load indicator and external digital display are combined into a single product. It incorporates the features of both products.

OCCUPATIONAL SAFETY

The overload indicator prevents lifting loads that exceed the capacity, thereby reducing the risk of workplace accidents and material damage. It also extends the lifespan of the crane.

COMMUNICATION

External system connections can be made via RS232 (optional) or CANBus (optional) communication lines, as well as through the analog output feature.

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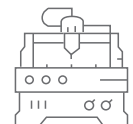
WIRELESS HANDWHEEL



Machine
Technologies



Automation
Systems



CNC
Machines

PRODUCT DESCRIPTION

The wireless handwheel is designed to replace wired handwheels by connecting to the Manual Pulse Generator (MPG) unit on CNC machines. It offers the same functionality as wired handwheels used for CNC machines.

MODE OF USE

Since the product is wireless, it provides easier handling for precise adjustments by hand.

PRODUCT ADVANTAGE

In large CNC machines, the wireless handwheel helps prevent errors and time loss by being close to the device during axis adjustments. It supports usage for up to 6 axes.

#cnc handwheel

OCCUPATIONAL SAFETY

Due to its wireless nature, it significantly reduces the risk of workplace accidents.

COMMUNICATION FEATURE

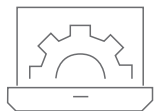
It provides communication capability via Bluetooth for distances up to 100 meters.

GENERAL FEATURES

- Operating Frequency: 2.4 GHz Bluetooth
- Number of Buttons: 4
- Operating Range: 100 meters
- Receiver Initial Ready Delay: < 2 seconds
- Response Time to Commands (Button Press): < 20 ms
- Operating and Storage Temperature: -40°C to +85°C
- Body Material: Polyamide
- Continuous Operating Time with Full Charge at 20°C: 40 hours
- Continuous Operating Time After Low Battery Warning: 2 hours

Supply Voltage	Verici: 3 VDC Alıcı: 12-24 VDC
Operating Frequency	2.4 GHz Bluetooth
Operating Range	100 m
Current Consumption	60 mA
Operating and Storage Temperature	-40°C ile +85°C (Alıcı)
Continuous Operating Time with Full Battery	40 hours
Device Mechanical Dimensions	75 mm x 75 mm x 197 mm (W x D x H) (Verici)

PEDAL TYPE REMOTE CONTROL



Machine Technologies



Automation Systems



Sheet Metal Processing Machines



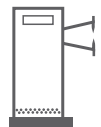
Sewing Machines



Plate Rolling Machines



Hydraulic Press Machine



Spot Welding Machine

PRODUCT DESCRIPTION

Pedal-type remote control systems are designed for the operation of various machines.



OCCUPATIONAL SAFETY

The pedal-type remote control system is designed with top-level safety and precision.

PRODUCT ADVANTAGE

The pedal-type remote control features a replaceable frequency chip (IChip) that can be removed and inserted into another pedal-type transmitter or receiver in case of any malfunction. This ensures that operational disruptions are avoided and continuity of work is maintained.

GENERAL FEATURES

Supply Voltage	3 VDC
Operating Frequency	2.4 GHz I.S.M Band
Operating Range	100 m
Current Draw	60 mA
Operating and Storage Temperature	-40 °C ile 85 °C
Continuous Operating Time with Full Charge	≥ 200 saat
RF System Output Power	10 mW ERP (Internal Antenna)

CUSTOM APPLICATION

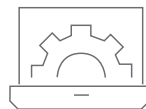
Custom applications can be made according to the configuration of the machine it is applied to.

COMMUNICATION

Radio Frequency provides wireless control from a secure distance. All models of the remote controls feature a low battery warning LED and a signal LED.

LIGHT

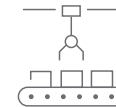
WARNING SYSTEMS



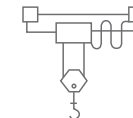
Machine Technologies



Automation Systems



Industrial Cranes



Ceiling Crane



Mobile Crane

PRODUCT DESCRIPTION

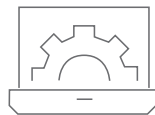
Illuminated warning systems used in factories are designed to ensure safety by alerting workers and other users, especially in hazardous or special situations. These systems can be utilized for fire alarms, emergency alarms, emergency stops, mass evacuations, and similar scenarios.

GENERAL FEATURES

Model	Dome
Supply Voltage	Low Voltage Model: 2430 VDC / 1530 VAC High Voltage Model: 48~265 VAC
Lens Unit Colors	Red, Orange, Green, Blue, Transparent
Buzzer Sound Level	Quiet / Low Sound: 80 dB High Sound: 100 dB
Lens Unit / Main Body Material	Polycarbonate (ABS) / Polystyrene-Polypropylene (PS-PP)
Lens Diameter and Height	Ø72mm / h:70 mm
Operating Temperature	-40 °C ~ +85°C
Koruma Derecesi	IP54



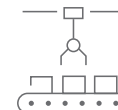
LIGHT WARNING SYSTEMS



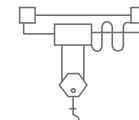
Machine Technologies



Automation Systems



Industrial Cranes



Ceiling Crane



Mobile Crane

PRODUCT DESCRIPTION

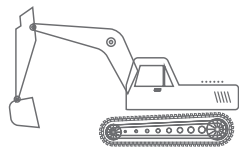
Light warning systems used in factories are designed to ensure safety by alerting workers and other users, especially during hazardous or special situations. These systems can be employed in scenarios such as fire alarms, emergency alarms, emergency stops, and mass evacuations.

GENERAL FEATURES

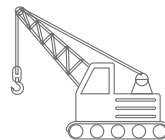
Model	Tower
Supply Voltage	(24~50 VDC / 24~35 VAC) / 85~265 VAC (Optional)
Lens Unit Colors	Red, Orange, Green, Blue, Transparent, Yellow
Buzzer Sound Level	Steady: 70-95 dB
Lens Unit / Main Body Material	Polycarbonate, Polyamide / ABS
Lens Diameter and Height	Φ53mm / h:38 mm - Φ53 mm / h:58 mm
Operating Temperature	-20 °C ~ 70°C



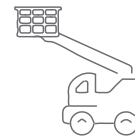
INCLINOMETER



Construction Machinery
and Vehicles



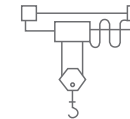
Agricultural and Forestry
Machinery



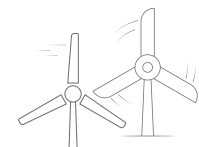
Cranes and Lifting
Systems



Industrial
Cranes



Ceiling
Crane



Mobile
Crane

PRODUCT DESCRIPTION

Designed to measure the tilt angles of the surface it is mounted on with maximum precision, thanks to MEMS technology, even under the most challenging conditions. This device can be used for both single-axis and dual-axis measurement applications.

GENERAL FEATURES

Model	Vatoz	
	1 AXIS	2 AXIS
Supply Voltage	9~36 VDC	9~36 VDC
Measuring Range	9~360 °VDC	±85°
Angle Resolution	CANopen, SAE J1939 ±0.2°	CANopen, SAE J1939 ±0.4°
Filter	Mode 1	40 Hz
	Mode 2	70 Hz
	Mode 3	10 Hz
	Mode 4	10 Hz (Low Noise)
Enclosure Protection Raing	-40 °C ~ 85°C	
Connection	M12-5 Pin, Male Connector	
	M12-5 Pin, Female Connector	



DESIGN YOUR OWN PROJECT

elfaLADDER

Control and Automation
Systems

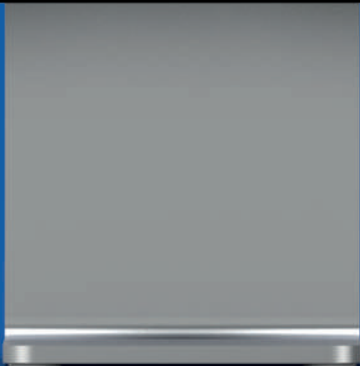
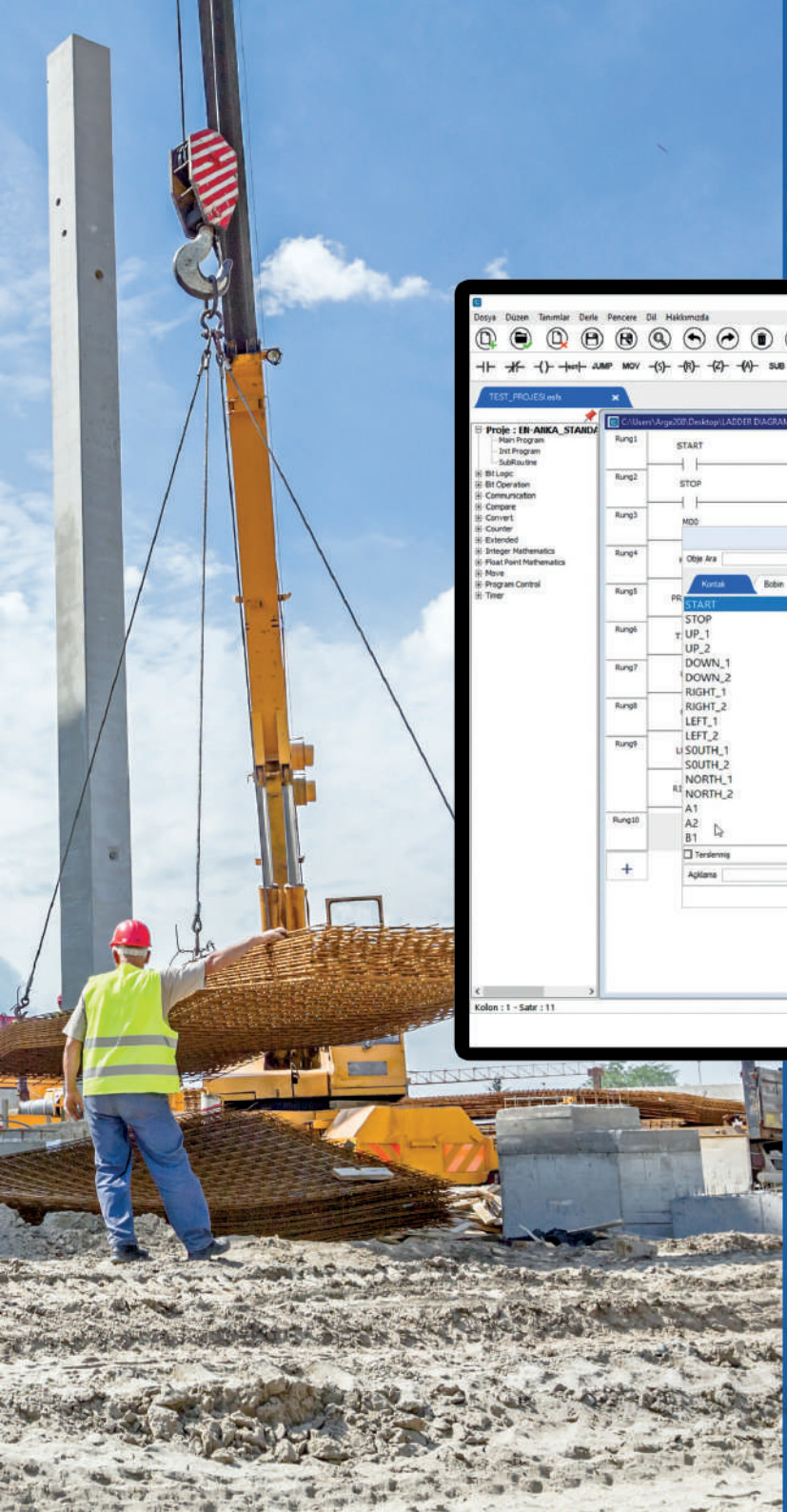
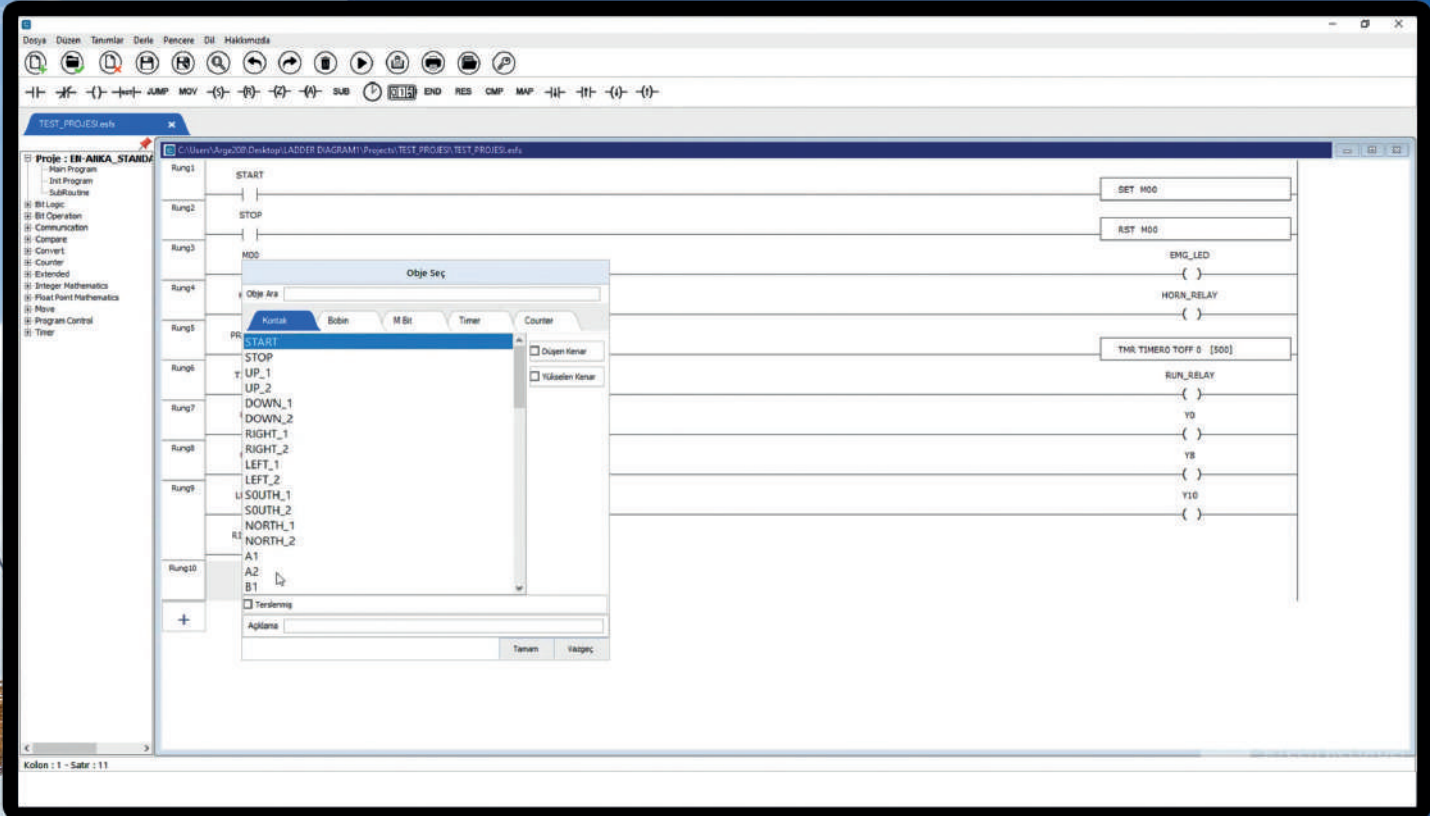
Ladder programming logic is a commonly used method for programming PLCs (Programmable Logic Controllers) in industrial automation systems. The term “Ladder” comes from the graphical symbols used in this programming language, which are arranged in a ladder-like structure. This layout resembles a ladder, with rungs representing the various logical operations and connections in the program.



#elfaladder

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Control and Automation
Systems





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