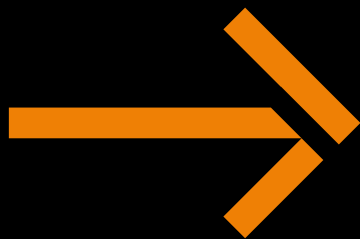


Remotus

Robust and safe radio remote control for industrial applications



ÅKERSTRÖMS





Content

INTRODUCTION 4

REMOTUS JUPITER 6
TRANSMITTERS
RECEIVERS

REMOTUS MERCURY 16
TRANSMITTERS
CONTROL DEVICES
RECEIVERS
EXPANSION OPTIONS
SYSTEM EXAMPLES
LINK SYSTEMS
SPECIAL SYSTEMS

ACCESS_CTRL 28

**CARRYING DEVICES
AND ACCESSORIES 34**

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Åkerströms' robust solutions for industrial and mobile radio remote control are reference for professional users worldwide. The experience and expertise we have developed for more than a century is in reality the difference between uptime and downtime and between incidents and accidents.

Furthermore, we know that collaborations in all their forms are the key to breakthrough innovations. We offer this to every customer, regardless of size, industry or area of use, and are a bridge to long and loyal relationships.

This brochure contains information about our radio remote control for safety-critical industrial applications: Remotus



Remotus Jupiter is our range of durable, modular products that we stock in various configurations and can also be adapted to most industrial cranes on the market. The system has a wide variety of pre-programmed selections and works on the general frequency bands, so users can easily install and start up the system.

The Remotus Jupiter line has many different transmitters to choose from depending on usage area. The waist transmitters have a rugged design and rubberized handles for a good grip and they also stand firmly on their protective metal feet when not in use. The handheld transmitters are ergonomic, lightweight and easy to carry. They include a clear display, and LEDs near each button that indicate the selected function.

Dual CPUs for superior safety

The Jupiter Era waist transmitters have dual CPUs, which means superior safety, even with movements/functions. They have an active stop function, which means the receiver will stop in less than 100 ms. The waist transmitter has a built-in tilt function, means it stops if you fall. The system uses the general frequency band at 433-434 MHz. An user can maneuver several objects from the same transmitter (multi-crane operation), and several users can maneuver one object from several transmitters (multi-operator operation). A duplex function enables data transmission back to the transmitter.

Configurable display with alarm function

The Jupiter Era waist transmitters have a large, clear display that is easy to read, even in bright sunlight. The transmitters have a vibrator and buzzer, which can be individually configured to different alarm

events via the display menu. The display's backlighting can also shift to red with different alarms that can be chosen from the menu. The waist transmitters has an unique battery solution where the battery is well protected from water and dust in a replaceable module whose opening is located directly below the transmitter. The transmitter can be placed in deep water without affecting the battery.

Easily configured and functional

Configuration of button functions, frequency, shutdown time, and permanent/temporary functions is done from the pushbuttons or display. The waist transmitters can also be configured via our proprietary configuration tool. A configuration information module (CIM) card stores the transmitter's configuration. The transmitter's configuration can thereby be easily moved to another transmitter. The CIM card is secured during operation but is easily accessible for service.

The safety stop function in the Remotus Jupiter line is certified according to PL d, Cat 3, EN ISO 13849-1.

REMOTUS Jupiter Era 100



REMOTUS JUPITER

Remotus Jupiter is our standardized remote-control product line developed for most of today's industrial cranes and overhead cranes.

Jupiter Era — Waist transmitters

Jupiter Era waist transmitters are easy to use and have a well-thought-out, robust design. The transmitters are equipped with rubberized handles for optimum grip, and when the transmitter is not in use it stands firmly on its metal feet. The transmitters are available in several variants, from simpler versions that handle three movements at two speeds to more complex versions that handle more movements and functions. The transmitters come standard with a graphic display and a built-in vibrator and buzzer that can be configured for different alarm events. The graphical display has a simple setup menu for setting the selected values. The transmitters are supplied with stickers to match selected functions.

REMOTUS Jupiter Era 100

No. of functions: Three movements at two speeds and two extra functions	Antenna: Internal
Type of transmission: FM GMSK	Battery: 3.7 V / 1.9 Ah
Transmission speed: 9 600 baud	Operating time: about 14 hours
Ambient temperature: -25°C to +55°C	Protection class: IP65-67
Radio frequencies: 433-434 MHz	Dimensions: 260 x 165 x 150 mm
Output power: 10 mW	Weight: 1.3 kg
Range: Up to 200 m	Display type: Graphic LCD, 128x64 pixels
Art.no. Jupiter Era 100: 953949-000	



REMOTUS Jupiter Era 150

No. of functions: Three movements at two speeds and five extra functions	Antenna: Internal
Type of transmission: FM GMSK	Battery: 3.7 V / 1.9 Ah
Transmission speed: 9 600 baud	Operating time: about 14 hours
Ambient temperature: -25°C to +55°C	Protection class: IP65-67
Radio frequencies: 433-434 MHz	Dimensions: 260 x 165 x 150 mm
Output power: 10 mW	Weight: 1.3 kg
Range: Up to 200 m	Display type: Graphic LCD, 128x64 pixels
Art.no. Jupiter Era 150J: 953950-000	



REMOTUS Jupiter Era 100 Configurable

No. of functions: Four movements at four speeds and five extra functions	Antenna: Internal
Type of transmission: FM GMSK	Battery: 3.7 V / 1.9 Ah
Transmission speed: 9 600 baud	Operating time: about 14 hours
Ambient temperature: -25°C to +55°C	Protection class: IP65-67
Radio frequencies: 433-434 MHz	Dimensions: 260 x 165 x 150 mm
Output power: 10 mW	Weight: 1,3 kg
Range: Up to 200 m	Display type: Graphic LCD, 128x64 pixels

Art.no. Jupiter Era 100 Configurable:
Customer unique



Jupiter Era — Handheld transmitters

Jupiter Era handheld transmitters comes in a robust and ergonomic design. The transmitters weigh only 265 grams and fit easily in your hand. They are IP67 classified, which means they are completely dust and waterproof. They have large, easy-to-read two-stage buttons that enable double functions on each pushbutton. Graphical LCD is standard and LEDs at each button indicates the selected function. A separate LED indicates storage battery status and operation. The transmitters are supplied with stickers to match selected functions.

REMOTUS Jupiter Era 8B*

No. of functions: Three movements at two speeds and two extra functions	Battery: 3.7 V / 1.9 Ah
Type of transmission: FM GMSK	Operating time: about 40 hours
Transmission speed: 9 600 baud	Protection class: IP67
Ambient temperature: -25°C to +55°C	Dimensions: 183 x 67 x 45 mm
Radio frequencies: 433-434 MHz	Weight: 265 g
Output power: 10 mW	Display type: Graphic, 128x64 pixels. Up to four numerical values with unit can be displayed simultaneously. The values can be displayed numerically or as bars.
Antenna: Internal	
Art.no. Jupiter Era 8B: 953948-000	



*Additional functions can be enabled via shift-function. Settings via display menu.

REMOTUS Jupiter Era 6B

No. of functions: Two movements at two speeds and two extra functions	Battery: 3.7 V / 1.9 Ah
Type of transmission: FM GMSK	Operating time: about 40 hours
Transmission speed: 9 600 baud	Protection class: IP67
Ambient temperature: -25°C to +55°C	Dimensions: 183 x 67 x 45 mm
Radio frequencies: 433-434 MHz	Weight: 265 g
Output power: 10 mW	Display type: Graphic, 128x64 pixels. Up to four numerical values with unit can be displayed simultaneously. The values can be displayed numerically or as bars.
Antenna: Internal	
Art.no. Jupiter Era 6B: 954125-000	



REMOTUS Jupiter Era 4B

No. of functions: One movement at two speeds and two extra functions	Battery: 3.7 V / 1.9 Ah
Type of transmission: FM GMSK	Operating time: about 40 hours
Transmission speed: 9 600 baud	Protection class: IP67
Ambient temperature: -25°C to +55°C	Dimensions: 183 x 67 x 45 mm
Radio frequencies: 433-434 MHz	Weight: 265 g
Output power: 10 mW	Display type: Graphic, 128x64 pixels. Up to four numerical values with unit can be displayed simultaneously. The values can be displayed numerically or as bars.
Antenna: Internal	
Art.no. Jupiter Era 4B: 954124-000	



*Nordic symbols *DIN symbols

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REMOTUS ERA JUPITER 8B

Jupiter — Handheld transmitters

Jupiter hand held transmitters are developed for indoor and outdoor use. The transmitters are robust and designed with large, clearly visible and rugged buttons. A protective rubber bumper makes them extra shock resistant. Jupiter 10BD has 10 two-stage buttons that enable double functions for each pushbutton. The transmitter comes standard with a graphic display and has a trolley selection function. LEDs at each button indicate selected function and a separate LED indicates storage battery status and operation. The transmitter is supplied with stickers to match selected functions.

REMOTUS Jupiter 10BD

No. of functions: Three movements at two speeds and trolley selection	Battery: 3.7 V / 1.9 Ah
Type of transmission: FM GMSK	Operating time: about 13 hours
Transmission speed: 9 600 baud	Protection class: IP65
Ambient temperature: -25°C to +55°C	Dimensions: 243 x 77 x 41 mm
Radio frequencies: 433-434 MHz	Weight: 520 g
Output power: 10 mW (433-434 MHz)	Display type: Graphic, 102x64 pixels. Up to four numerical values with unit can be displayed simultaneously. The values can be displayed numerically or as bars.
Antenna: Internal	
Art.no. Jupiter 10BD : 954286-000	





Jupiter — Receivers

The Jupiter receivers are pre-programmed with a wide variety of application programs. RX110 has 11 outputs and handles three movements at two speeds. RX161 has 16 outputs as a standard and can be extended with additional 16 for more functions. They are easy to install and start up. Configurations and settings are easily made with our proprietary configuration tool (for RX161). RX161 has an analogue input for reading selected values, for example, in a display. The selected values are formatted using the configuration tool. The receivers have dual processors that monitor each other, so a message is checked before the relay function goes out into the receiver. Command errors don't occur and safety increases. Siren is optional.

REMOTUS Jupiter RX110

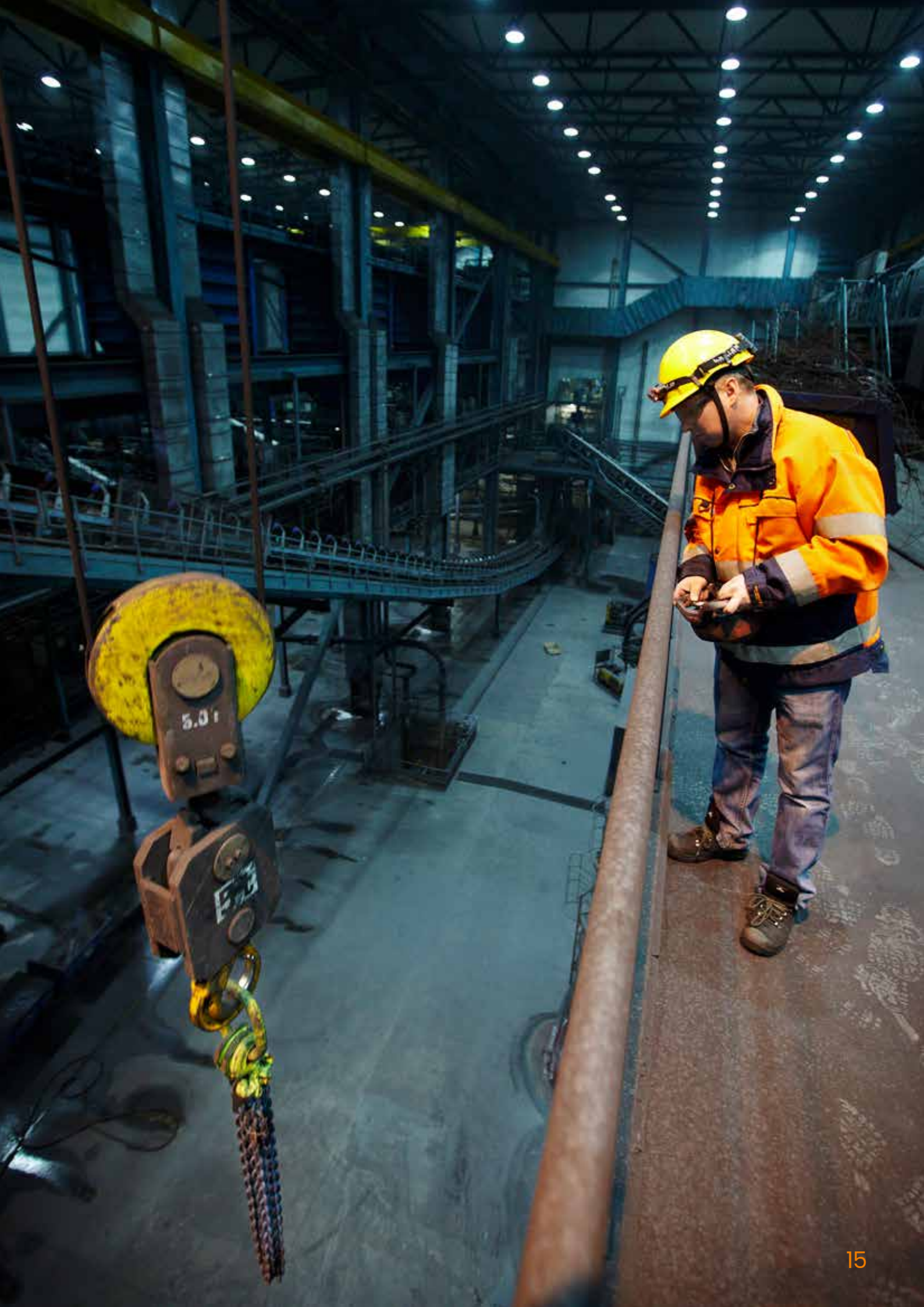
No. of outputs: 11 outputs; 4 changeover and 7 open contacts of which 1 safety relays	Casing: Flameproof plastic (UL 94 5VA)
Outputs for emergency stop: 2 safety relays; 2 changeover contacts	Protection class: IP67
Radio frequencies: 433-434 MHz	Dimensions: 277 x 217 x 115 mm
Power consumption: max 12 VA	Weight: 1.5 kg
Ambient temperature: -25°C to +55°C	Connection voltage: 24/48/115/230 V AC or 24 V DC
Art.no. Jupiter RX110: 959083-433	



REMOTUS Jupiter RX161

No. of outputs: 16 + 16 outputs; 4 changeover and 12 open contacts of which 6 safety relays	Power consumption: max 12 VA
Outputs for emergency stop: 2 safety relays; 2 changeover contacts	Ambient temperature: -25°C to +55°C
Number of inputs: 1 analogue input 0(4)-20 mA or 0(2)-10 V 1 serial input: RS422/RS485 2 opto isolated digital inputs for 24/48 V AC/DC, 115 V AC or 230 V AC 50/60 Hz	Casing: Flameproof plastic (UL 94 5VA)
Radio frequencies: 433-434 MHz	Protection class: IP67
	Dimensions: 277 x 217 x 115 mm
	Weight: 1.5 kg
	Connection voltage: 24/48/115/230 V AC or 24 V DC
Art.no. Jupiter RX161 incl. siren: 953951-000	
Art.no. Jupiter RX161+16: Customer unique	





Remotus Mercury is our robust, customized remote control product line for industrial cranes and overhead cranes, for use in industries such as manufacturing, steel works, mines, and processing.

The Remotus Mercury line is constructed to provide the safety and reliability required for wireless remote control in demanding industrial environments. The products in the Mercury line are tailored to the customer's wishes, with customized functions and layout. A variety of actuators are available.

Remotus Mercury Era

The Mercury Era 100 waist transmitter has a modern, rugged design. It has rubberized handles for a good grip and stands firmly on its protective metal feet when not in use. The Mercury Era 8B handheld transmitter has eight buttons, a modern, ergonomic design, clear display, and LEDs near each button that indicate the selected function. Mercury Era 8 can be equipped with customized symbols and is very easy to carry.

Dual CPUs for superior safety

The Mercury Era 100 has dual CPUs, which means superior safety, even with movements/functions. It has an active stop function, which means the receiver will stop in less than 100 ms. It has a built-in tilt function – if you fall and the transmitter is tilted into a pre-programmed angle, it stops immediately. Mercury uses the frequency band 433–434 MHz, and also licensed/unlicensed frequency channels on the 400 MHz band. There are several functions for automatically connecting transmitter and receiver on an available frequency and for sharing the same

frequency band. A user can maneuver several objects from the same transmitter (multi-crane operation), and several users can maneuver one object from several transmitters (multi-operator operation). A duplex function enables data transmission back to the transmitter.

Configurable display with alarm function and a unique battery solution

The Mercury Era 100 has a large, clear display that is easy to read even in bright sunlight. It has a vibrator and buzzer, which can be individually configured to different alarm events via the display menu. The display's backlighting can shift to red with different alarms. The transmitter has an unique battery solution where the battery is well protected from water and dust in a replaceable module whose opening is located directly below the transmitter. The transmitter can be placed in deep water without affecting the battery.

Portable configuration

A configuration information module (CIM) card stores the transmitter's configuration, and can easily be moved to another transmitter. The CIM card is secured during operation but is easily accessible for service.

The safety stop function in the Remotus Mercury line is approved according to PL d, Cat 3, EN ISO 13849-1.

REMOTUS MERCURY 500



REMOTUS MERCURY

Remotus Mercury is our customized remote-control product line for industrial cranes and overhead cranes.

Mercury — Waist transmitters

Remotus Mercury waist transmitters are built to handle everything from standard solutions to highly sophisticated machine control. They are available in three basic designs that can be customized to fit the needs of the customer. The transmitters are built to tolerate tough conditions, including impacts, drastic temperature fluctuations, dust, oil, and humidity. The waist transmitters can be equipped with up to four joysticks that can control up to eight movements. They can also be equipped with indicators and a display for showing different types of information from the crane via the duplex function. The article numbers for Mercury waist transmitters are customer specific.

REMOTUS Mercury Era 100

No. of functions: Up to six movements, 2-position, 4-position, or stepless joystick (max two joysticks)	Range: Up to 1000 m
Type of transmission: FM FSK/FM GMSK	Antenna: Internal
Transmission speed: 4,800–19,200 baud depending on choice of radio	Battery: 3.7 V / 1.9 Ah
Ambient temperature: –25°C to +55°C	Operating time: about 14 hours
Radio frequencies: 400 MHz, 433–434 MHz	Protection class: IP65–67
Output power: Varies depending on application and licensing limitations. Usually 10 to 400 mW.	Dimensions: 260 x 165 x 150 mm
	Weight: 1.3 kg
	Display type: Graphic LCD, 128x64 pixels



REMOTUS Mercury 100

No. of functions: Up to six movements, 2-position, 4-position, or stepless joystick (max two joysticks)	Range: Up to 1 000 m
Type of transmission: FM FSK/FM GMSK	Antenna: Internal
Transmission speed: 4,800–19,200 baud depending on choice of radio	Battery: 7.2 V / 1.0 Ah
Ambient temperature: –25°C to +55°C	Operating time: about 10 hours
Radio frequencies: 400 MHz, 433–434 MHz	Dimensions: 230 x 155 x 135 mm
Output power: Varies depending on application and licensing limitations. Usually 10 to 400 mW.	Weight: 1.2 kg
	Display type: LCD, 1 row 8 characters, 1–3 rows 16 characters/row



REMOTUS Mercury 300

No. of functions:

Up to six movements, 2-position, 4-position, or stepless joystick (max three joysticks)

Type of transmission:

FM FSK/FM GMSK

Transmission speed:

4,800–19,200 baud depending on choice of radio

Ambient temperature:

–25°C to +55°C

Radio frequencies:

400 MHz, 433–434 MHz

Output power:

Varies depending on application and licensing limitations. Usually 10 to 400 mW.

Range:

Up to 1 000 m

Antenna:

Internal

Battery:

6 V / 2.4 Ah

Operating time:

about 10 hours

Dimensions:

250 x 175 x 160 mm

Weight:

1.2 kg

Display type:

LCD, 1 row 8 characters, 1–3 rows 16 characters/row, 8 LEDs



REMOTUS Mercury 500

No. of functions:

Up to eight movements, 2-position, 4-position or stepless joystick (max four joysticks)

Type of transmission:

FM FSK/FM GMSK

Transmission speed:

4,800–19,200 baud depending on choice of radio

Ambient temperature:

–25°C to +55°C

Radio frequencies:

400 MHz, 433–434 MHz

Output power:

Varies depending on application and licensing limitations. Usually 10 to 400 mW.

Range:

Up to 1 000 m

Antenna:

Internal

Battery:

6 V / 2.4 Ah

Operating time:

about 10 hours

Dimensions:

340 x 175 x 160 mm

Weight:

2.5 kg

Display type:

LCD, 1 row 8 characters, 1–3 rows 16 characters/row, 8 LEDs



Mercury — Handheld transmitters

Mercury handheld transmitters are made for indoor and outdoor use. The transmitters are robust and designed with large, clearly visible, durable two-stage buttons, providing dual functions on each pushbutton. The Mercury Era 8B is a flexible and light transmitter, weighs only 265 grams. The transmitters are available with customer-specific symbols. LEDs on each button indicate the selected function and a separate LED indicates storage battery status and operation. The Mercury Era 8B comes standard with a graphic display, Mercury 10B and 12B are available incl/excl display.

REMOTUS Mercury Era 8B

No. of buttons: 8 two-stage buttons	Battery: 3.7 V / 1.9 Ah
Type of transmission: FM GMSK	Operating time: about 40 hours
Transmission speed: 9 600 baud	Protection class: IP67
Ambient temperature: -25°C to +55°C	Dimensions: 183 x 67 x 45 mm
Radio frequencies: 433-434 MHz	Weight: 265 g
Output power: 10 mW	Display type: Graphic, 128x64 pixels. Up to four numerical values with unit can be displayed simultaneously. The values can be displayed numerically or as bars.
Antenna: Internal	



REMOTUS Mercury 8B

No. of buttons: 8 two-stage buttons	Antenna: Internal
Type of transmission: FM FSK/FM GMSK	Battery: 3.7 V / 1.9 Ah
Transmission speed: 4,800-19,200 baud depending on choice of radio	Operating time: about 13 hours
Ambient temperature: -25°C to +55°C	Protection class: IP65
Radio frequencies: 400 MHz, 433-434 MHz	Dimensions: 243 x 77 x 41 mm
Output power: 10 to 400 mW	Weight: 510 g



REMOTUS Mercury 10B

No. of buttons: 10 two-stage buttons	Battery: 3.7 V / 1.9 Ah
Type of transmission: FM FSK/FM GMSK	Operating time: about 13 hours
Transmission speed: 4,800–19,200 baud depending on choice of radio	Protection class: IP65
Ambient temperature: –25°C to +55°C	Dimensions: 243 x 77 x 41 mm
Radio frequencies: 400 MHz, 433–434 MHz	Weight: 520 g
Output power: 10 to 400 mW	Display type: Graphic, 102x64 pixels. Up to four numerical values with unit can be displayed simultaneous- ly. The values can be displayed numerically or as bars.
Antenna: Internal	



REMOTUS Mercury 12B

No. of buttons: 12 two-stage buttons	Battery: 3.7 V / 1.9 Ah
Type of transmission: FM FSK/FM GMSK	Operating time: about 13 hours
Transmission speed: 4,800–19,200 baud depending on choice of radio	Protection class: IP65
Ambient temperature: –25°C to +55°C	Dimensions: 243 x 77 x 41 mm
Radio frequencies: 400 MHz, 433–434 MHz	Weight: 490 g
Output power: 10 to 400 mW	Display type: Graphic, 102x64 pixels. Up to four numerical values with unit can be displayed simultaneous- ly. The values can be displayed numerically or as bars.
Antenna: Internal	



Mercury — Control devices

The Mercury systems are tailored to customers' requirements. Functions, frequencies, design, and layout are all customized. Text and symbols are adapted and a large number of control devices are available i.e. joysticks, pushbuttons, rotary switches, toggle switches etc. Remotus Mercury waist transmitters are equipped with two to four joysticks for controlling up to eight movements. They can also be equipped with indicators and a display for showing different types of information from the crane via the duplex function. Such information could be the weight of the load, wind conditions, etc.

Example of control devices

Joysticks

Incl. steps/step less, button, 1, 2, 3 axis



Push buttons

Different colors, sizes, leds, locking/non-locking



LEDs

Different colors, high-power



Toggle switches

Locking/non-locking



Rotary switches

4, 8, 10, 12, 16 pos, potentiometer



Key switches





Mercury — Receivers

Remotus Mercury receivers are modular and flexible so they can be customized to each customer's specific needs. The line consists of three basic models that can be expanded using several specially designed expansion cards for various applications, and a receiver for controlling existing PLCs. The receivers have dual safety relays for controlling the line circuit breaker and very secure radio transmissions.

REMOTUS Mercury RX161

No. of outputs:

16 outputs; 4 changeover
and 12 open contacts
of which 6 safety relays

Outputs for emergency stop:

2 safety relays; 2 changeover
contacts

Number of inputs:

1 analogue input
0(4)-20 mA or 0/2-10 V
1 serial input: RS422/RS485
2 opto isolated digital inputs
for 24/48 V AC/DC, 115 V AC
or
230 V AC 50/60 Hz

Radio frequencies:

400 MHz, 433-434 MHz

Expansion slots:

1 extra relay card incl 16 relays,
of which 4 changeover

Ambient temperature:

-25°C to +55°C

Casing:

Flameproof plastic (UL 94 5VA)

Protection class:

IP67

Dimensions:

277 x 217 x 115 mm

Weight:

1.5 kg

Connection voltage:

24/48/115/230 V AC or 24 V DC



REMOTUS Mercury RX161

No. of outputs:

16 outputs; 4 changeover
and 12 open contacts
of which 6 safety relays

Outputs for emergency stop:

2 safety relays; 2 changeover
contacts

Number of inputs:

1 analogue input
0(4)-20 mA or 0/2-10 V
1 serial input: RS422/RS485
2 opto isolated digital inputs
for 24/48 V AC/DC, 115 V AC
or
230 V AC 50/60 Hz

Radio frequencies:

400 MHz, 433-434 MHz

Expansion slots:

1 extra relay card incl 16 relays,
of which 4 changeover

Ambient temperature:

-25°C to +55°C

Casing:

Powder coated sheet metal

Dimensions:

300 x 200 x 122 mm excluding
attachments and connectors

Weight:

5 kg

Connection voltage:

24/48/115/230 V AC or 24 V DC



REMOTUS Mercury RX182

No. of outputs:

18 independent relays with changeover contacts and line circuit breaker start and hold with monitoring safety relays. 2 serial COM ports.

Radio frequencies:

400 MHz, 433-434 MHz

Relädata:

250 V AC, 8 A

Expansion slots:

2

Ambient temperature:

-25°C to +55°C

Casing:

Powder coated sheet metal

Dimensions:

335 x 250 x 160 mm excluding attachments and connectors

Weight:

8 kg

Connection voltage:

24/48 or 115/230 + 15-20 % V AC or 15-35 V DC



REMOTUS Mercury RXS96

Radio frequencies:

433-434 MHz bands or licensed frequency bands on request

MC relay data:

250 V AC, 8 A

PROFIBUS DP slave:

16 bytes out/in (consistent data)

PROFINET I/O slave:

16 bytes out/in (consistent data)

Ambient temperature:

-25°C to +55°C

Casing:

Aluminium profile for screw mounting or mounting on DIN rail

Dimensions:

165 x 105 x 150 mm excluding attachments and connectors

Weight:

1.8 kg



REMOTUS

Mercury — Expansion options

Remotus Mercury receivers can be expanded using several specially designed expansion cards for various applications. The receivers have a standard 16–18 relay outputs that can easily be expanded for up to 50 functions.

REMOTUS Mercury RX161

EXP. BOARD 16 RELAYS

Art. no. 950868-000

REMOTUS Mercury RX182

EXP. BOARD 3 DIGITAL 230 V AC
EXP. BOARD 8 DIGITAL 230 V AC
EXP. BOARD 3 ANALOGUE
EXP. BOARD 3 HYDR.V. 0–1.5A
EXP. BOARD 3 ANALOGUE
EXP. BOARD 3 RELAYS
EXP. BOARD 8 RELAYS
EXP. BOARD 16 RELAYS

Art. no. 927169-000
Art. no. 935525-000
Art. no. 930527-000
Art. no. 934107-000
Art. no. 925276-000
Art. no. 926293-000
Art. no. 934122-000
Art. no. 935025-000



System examples

Remotus systems are very user-friendly and customizable. It is possible to maneuver several objects from the same transmitter (multi-crane operation), which makes it easier when for example you need to lift multiple objects simultaneously. It is also possible to maneuver the same object from several transmitters (multi-operator operation). An advantage if you want to control, for example, an object where you have no oversight over the driving distance. You can therefore hand over the control between two transmitters. Remotus systems are secure and reliable, so you can always ensure by active choice that only one transmitter is in control of each object at a time.

MULTI-CRANE OPERATION



MULTI-OPERATOR OPERATION



Access_Ctrl is the name of our connected services for access management and the logging of production data. The service offers increased control and safety for those working in industrial applications and complements Åkerströms' robust and secure radio control systems.

Access control provides safety and control around the handling of radio controlled processes, minimising costly production downtimes and personal injury.

Full control

The administrator can easily see which users are logged on and using the crane and at what times. The system also features a complete log that can display invalid logins and who has attempted to access the crane. Access_Ctrl also shows if any crane goes offline. This gives you greater confidence, knowing that only authorised personnel can activate the radio control system and operate the crane.

Predictive maintenance

It is also possible to input start and stop times for access to specific cranes. All data is stored in the cloud, with secure access at any time and for any period. You can also select precise figures for how much to lift, which vibrations are present, how fast the crane is operated or by how much the crane is unbalanced. This makes it easier for you to calculate the maintenance requirements and service life of cranes and machines.

Daily inspection

The daily inspection of a crane or machine is the basis for detecting errors and deficiencies before larger, more costly errors occur. Access_Ctrl ensures that the daily control is performed and reported.

Existing tags

Access to the cranes is managed with any Mifare RFID tag. You can use existing tags

that are already in use in the business, for example ID06, making it easier for you to manage and reducing unnecessary administration.

Minimise accidents and injuries

The human factor is a contributing cause of stoppages and accidents. Not having full control over how heavy industrial cranes are handled and by whom is a contributing factor in causing personal injury and damaged goods. Access_Ctrl helps you minimise accidents and injuries in your workplace. It helps managers, operators and administrators to improve production efficiency, manage the necessary permits and increase personal safety. It also enables you to make major cost savings and enhance profitability. And it's easy to manage thanks to the clear web interface.

Increase safety and security

In industries where heavy lifting and critical processes are carried out on a daily basis, personal and production safety is paramount. Operators must be able to perform their job as safely as possible without the risk of injury to any other person in the room. With Access_Ctrl, everyone can feel safe.

- **Safer and more secure working environment**
- **Fewer production stoppages**
- **Streamlined processes**
- **Cost savings and higher profitability**



Carrying devices and accessories

Our carrying devices help provide a comfortable, ergonomic working position and reduce strain on the body when working long hours. We have several different carrying devices to choose from that can easily be adjusted for each user. A custom belt is included with each transmitter. We also offer a wide range of accessories and spare parts such as batteries, chargers, storage cabinets, signs etc. Visit our web shop at akerstroms.com for more information, pictures, and article numbers.



Shoulder strap

SHOULDER STRAP
Era 100, J/M-100
Art. No. 944204-000

SHOULDER STRAP
M-300/500
Art. No. 944204-001



Harness

HARNES
Era 100, J/M-100
Art. No. 947108-000



Belt holder

BELT HOLDER KIT
J-8B/10B/12B
Art. No. 934158-000



Belt holder

BELT HOLDER CLIP ON
Era 4/6/8B
Art. No. 952147-000



Protective bag

PROTECTIVE BAG
J-M 8B/10B/12B
Art. No. 951900-001



Protective bag

PROTECTIVE BAG
Era 4/6/8B
Art. No. 951900-000



Vehicle bracket

VEHICLE BRACKET
J-M 8B/10B/12B
Art. No. 935408-000



Vehicle bracket

VEHICLE BRACKET
Era 4/6/8B
Art. No. 952521-000



Wall bracket

WALL BRACKET
Era 4/6/8B
Art. No. 952148-000



Vest

VEST
Era 100, J/M-100,
M-300/500
Adjustable size
Art. No. 951854-000



Belt

BÄLTE
Era 100, J/M-100
Adjustable size
Art. No. 952704-000



Belt

BÄLTE
M-300/500
Adjustable size
Art. No. 952705-000



Belt

BELT WITH RAIL
J/M-100
700-1100 mm
Art. No. 935537-000



Belt

BELT WITH FLIP-UP
J-M 8B/10B/12B
Art. No. 935537-004



Hook

HOOK
M-300/500
Art. No. 926708-000



Hook

HOOK
J/M-100
Art. No. 925563-000



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