Remotus

Robust and safe radio remote control for industrial applications

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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 robust standardized remote-control product line developed for most of today's industrial cranes and overhead cranes, used, for example, in manufacturing, steel works, mines, and processing industries. The system has 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. Jupiter Era is the name of the latest model.

Remotus Jupiter Era

The Jupiter Era waist transmitters have a modern, rugged design. They have rubberized handles for a good grip and they also stand firmly on their protective metal feet when not in use. The Jupiter Era handheld transmitters have a modern, ergonomic design, clear display, and LEDs near each button that indicate the selected function. The Era models are lightweight and easy to carry.

Dual CPUs for superior safety

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. There are two different transmitters available: one simpler version that handle three movements at two speeds and contain two extra functions, and another that is a more sophisticated version that handles three movements at two speeds and contains five extra functions. The Jupiter Era 100/150 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.

REMOTUS Jupiter Era 100

No. of functions:
Three movements at two speeds and two extra functions

Type of transmission:
FM GMSK

Transmission speed:
9 600 baud

Ambient temperature:
-25°C to +55°C

Radio frequencies:
433-434 MHz

Output power:
10 mW

Range:
Up to 200 m

Art.no. Jupiter Era 100:
953949-000

Antenna:
Internal

Battery:
3.7 V / 1.9 Ah

Operating time:
about 14 hours

Protection class:
IP65-67

Dimensions:
260 x 165 x 150 mm

Weight:
1.3 kg

Display type:
Graphic LCD,
128x64 pixels

REMOTUS Jupiter Era 150

No. of functions:
Three movements at two speeds and five extra functions

Type of transmission:
FM GMSK

Transmission speed:
9 600 baud

Ambient temperature:
-25°C to +55°C

Radio frequencies:
433-434 MHz

Output power:
10 mW

Range:
Up to 200 m

Art.no. Jupiter Era 150J:
953950-000

Antenna:
Internal

Battery:
3.7 V / 1.9 Ah

Operating time:
about 14 hours

Protection class:
IP65-67

Dimensions:
260 x 165 x 150 mm

Weight:
1.3 kg

Display type:
Graphic LCD,
128x64 pixels

*Nordic symbols *DIN symbols

Jupiter Era — Handheld transmitters

Jupiter Era handheld transmitters have a modern and robust 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. Era 8B is available incl or excl LCD. A separate LED indicates storage battery status and operation and all models except Era 8B (excl LCD) have LEDs at each button that indicate the selected function. The output of the transmitters is adaptive, i.e. if the signal strength is strong, then both transmitter and receiver "downshift" to a lower output. The transmitters comes with Nordic, DIN or CS symbols.

REMOTUS Jupiter Era 8B

No. of buttons:
8 two-stage buttons

Type of transmission:
FM GMSK

Transmission speed:
9 600 baud

Ambient temperature:
-25°C to +55°C

Radio frequencies:
433-434 MHz

Output power:
10 mW

Antenna:
Internal

Art.no. Jupiter Era 8B:
953948-000

Battery:
3.7 V / 1.9 Ah

Operating time:
about 40 hours

Protection class:
IP67

Dimensions:
183 x 67 x 45 mm

Weight:
265 g

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.

REMOTUS Jupiter Era 6B

No. of buttons:
6 two-stage buttons

Type of transmission:
FM GMSK

Transmission speed:
9 600 baud

Ambient temperature:
-25°C to +55°C

Radio frequencies:
433-434 MHz

Output power:
10 mW

Antenna:
Internal

Art.no. Jupiter Era 6B:
954125-000

Battery:
3.7 V / 1.9 Ah

Operating time:
about 40 hours

Protection class:
IP67

Dimensions:
183 x 67 x 45 mm

Weight:
265 g

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.

*Nordic symbols

*DIN symbols

REMOTUS Jupiter Era 4B

No. of buttons:
4 two-stage buttons

Type of transmission:
FM GMSK

Transmission speed:
9 600 baud

Ambient temperature:
-25°C to +55°C

Radio frequencies:
433-434 MHz

Output power:
10 mW

Antenna:
Internal

Art.no. Jupiter Era 4B:
954124-000

Battery:
3.7 V / 1.9 Ah

Operating time:
about 40 hours

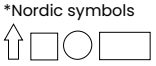
Protection class:
IP67

Dimensions:
183 x 67 x 45 mm

Weight:
265 g

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.

*Nordic symbols



*DIN symbols

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 comes with Nordic and DIN symbols.

REMOTUS Jupiter 10BD

No. of buttons:
10 two-stage buttons

Type of transmission:
FM GMSK

Transmission speed:
9 600 baud

Ambient temperature:
-25°C to +55°C

Radio frequencies:
433-434 MHz

Output power:
10 mW (433-434 MHz)

Antenna:
Internal

Art.no. Jupiter 10BD :
954286-000

Battery:
3.7 V / 1.9 Ah

Operating time:
about 13 hours

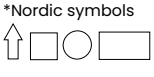
Protection class:
IP65

Dimensions:
243 x 77 x 41 mm

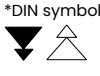
Weight:
520 g

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.

*Nordic symbols



*DIN symbols



Jupiter — Receivers

The Jupiter receivers are pre-programmed with different application programs. They are easy to install and start up. Configurations and settings are easily made with our proprietary configuration tool (for RX161). The receivers have a multi-transformer for universal use. 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. RX161 is compatible with all Jupiter transmitters and RX110 goes with Era 8B excl LCD. Siren is optional for both models.

REMOTUS Jupiter 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:
433-434 MHz

Power consumption:
max 12 VA

Art.no. Jupiter RX161 incl. siren:
953951-000

Ambient temperature:
-25°C to +55°C

Casing:
Flameproof plastic (UL 94 5VA)

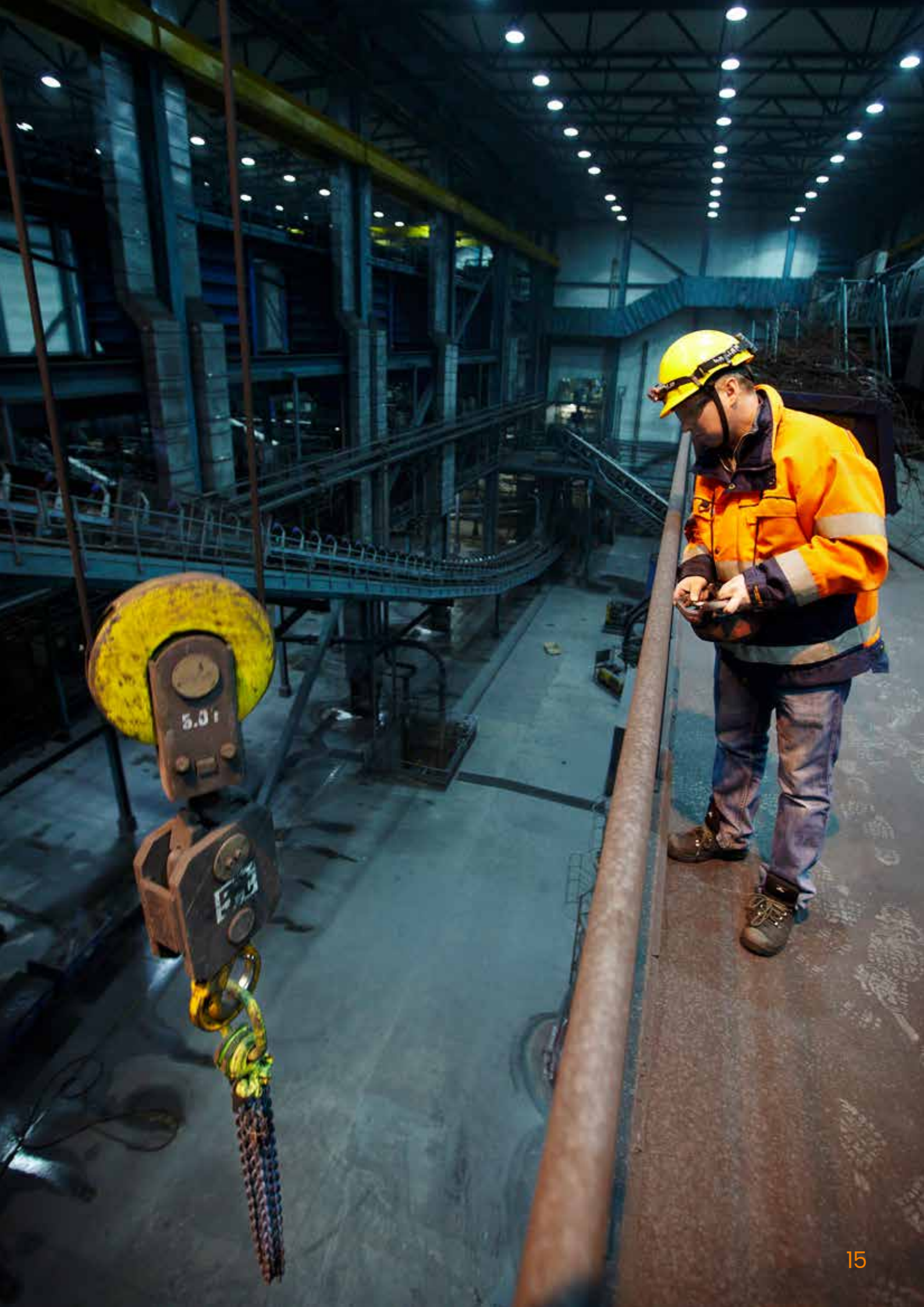
Protection class:
IP67

Dimensions:
277 x 217 x 115 mm

Weight:
1.5 kg

Connection voltage:
24/48/115/230 V AC or 24 V DC

REMOTUS JUPITER RX161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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)

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 1000 m

Antenna:
Internal

Battery:
3.7 V / 1.9 Ah

Operating time:
about 14 hours

Protection class:
IP65-67

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)

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:
7.2 V / 1.0 Ah

Operating time:
about 10 hours

Dimensions:
230 x 155 x 135 mm

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

Type of transmission:
FM GMSK

Transmission speed:
9 600 baud

Ambient temperature:
-25°C to +55°C

Radio frequencies:
433-434 MHz

Output power:
10 mW

Antenna:
Internal

Battery:
3.7 V / 1.9 Ah

Operating time:
about 40 hours

Protection class:
IP67

Dimensions:
183 x 67 x 45 mm

Weight:
265 g

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.

REMOTUS Mercury 8B

No. of buttons:
8 two-stage buttons

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:
10 to 400 mW

Antenna:
Internal

Battery:
3.7 V / 1.9 Ah

Operating time:
about 13 hours

Protection class:
IP65

Dimensions:
243 x 77 x 41 mm

Weight:
510 g

REMOTUS Mercury 10B

No. of buttons:
10 two-stage buttons

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:
10 to 400 mW

Antenna:
Internal

Battery:
3.7 V / 1.9 Ah

Operating time:
about 13 hours

Protection class:
IP65

Dimensions:
243 x 77 x 41 mm

Weight:
520 g

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.

REMOTUS Mercury 12B

No. of buttons:
12 two-stage buttons

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:
10 to 400 mW

Antenna:
Internal

Battery:
3.7 V / 1.9 Ah

Operating time:
about 13 hours

Protection class:
IP65

Dimensions:
243 x 77 x 41 mm

Weight:
490 g

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.

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

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	Art. no. 927169-000
EXP. BOARD 8 DIGITAL 230 V AC	Art. no. 935525-000
EXP. BOARD 3 ANALOGUE	Art. no. 930527-000
EXP. BOARD 3 HYDR.V. 0-1.5A	Art. no. 934107-000
EXP. BOARD 3 ANALOGUE	Art. no. 925276-000
EXP. BOARD 3 RELAYS	Art. no. 926293-000
EXP. BOARD 8 RELAYS	Art. no. 934122-000
EXP. BOARD 16 RELAYS	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**

ÅKERSTRÖMS
ACCESS
556

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

HARNESS
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. 935408-001

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

ÅKERSTRÖMS

Welcome to the remote future

Åkerströms Björbo AB
SE-786 97 Björbo, Sweden
Phone +46 241-250 00
info@akerstroms.se
akerstroms.com