



Remotus Mercury Joystick transmitters

Åkerströms' Remotus Mercury line contains customized products for remote control of cranes and overhead cranes and for other machine control, for example, in manufacturing, steel works, mines, and the processing industry. The robust transmitters are available in three models and are tailored to suit your needs.

The Remotus Mercury joystick transmitter line is used for everything from standard solutions to highly sophisticated machine control. The transmitters are available in three models—depending on required functions and environments in which they'll be used. The transmitters are adapted for tolerating tough conditions, such as drastic temperature differences, dust, vibrations, oil, and dampness. And they can be used indoors and outdoors. Joysticks and rubber bumpers on these new transmitters were modified for further improved reliability. You can have all symbols and text on your Mercury joystick transmitters to meet your specific needs.

New radio protocol for increased safety.

A new protocol was developed for even safer control. Information is verified via a

cyclic redundancy check on 16 bits. The joysticks have 64-stage precision, which facilitates better fine-adjusting during stage-less operation. The transmitters comply with EN954-1, up to category 4.

Secure and flexible function.

The Remotus Mercury joystick transmitter has come with two or more manipulators to control up to eight movements. They can also be equipped with indicators and displays for displaying different types of information from the crane by duplex functionality. Time division multiplex access is also available. The transmitters have built-in, self-tests for all functions.

Ergonomic design.

Enormous emphasis was put on making Remotus joystick transmitters easy and comfortable to use. That's why they have superb ergonomic design and come with an operator-friendly waist belt. Accessories include carrying hooks plus vest and shoulder straps, which reduce load on operators' backs during long shifts.

MERCURY TRANSMITTERS

- Three basic models
- Robust and reliable in tough conditions
- New protocol for increased safety and security
- Portable configuration via CIM cards
- Customer specific symbols and labels
- Ergonomic design

Portable configuration.

Users can store configurations on a configuration information module (CIM) card. That way, the transmitter's configuration can be effortlessly moved to another transmitter, for example, when a reserve transmitter replaces the current transmitter.

Mercury 100 (100J).

Mercury 100J is built to handle everything from standard solutions to highly sophisticated machines. It's primarily used for larger industrial applications and for the most complicated cranes. The Mercury 100J has two joysticks that can control up to four movements. It can also be ordered with indicators for information from the crane. Enormous effort went into making the user-friendly Mercury 100 operate smoothly.

Mercury 300 (300J).

The Mercury 300J is our mid-size model that works with everything from off-the-shelf solutions to advanced equipment. It's primarily used for larger industrial applications and for the most sophisticated cranes. The Mercury 300J has two joysticks that can control up to four maneuvers. It can be ordered with various background-lit displays for showing information from, e.g., scales, position indicators, and PLCs that are mounted on cranes.

Mercury 500 (500J).

Mercury 500J takes on very highly sophisticated equipment. It's primarily used for larger industrial applications and for very complicated cranes. The Mercury 500J comes with three joysticks (standard) that can control up to six movements; four joysticks are possible, and they can control up to eight movements. The Mercury 500J can be ordered with various background-lit displays for showing information from, e.g., scales, position indicators, and PLCs that are mounted on cranes.

Examples of accessories



Charger kit

Carrying hook

Belt holder

TECHNICAL FACTS

MERCURY 100 (100J)

No. of functions: Up to four movements; 2-position or 4-position joysticks, and up to 24 to-from functions

Indicators: Operating and battery status; five indicators for information from cranes, by duplex function (optional). Up to eight light emitting diodes.

Size: 230 x 155 x 135 mm

Weight: 1,2 kg

MERCURY 300 (300J)

No. of functions: Up to four movements; 2-position or 4-position joysticks, and up to 24 to-from functions + 24 functions (optional)

Size: 250 x 175 x 160 mm

Weight: 1,2 kg

MERCURY 500 (500J)

No. of functions: Up to eight movements; 2-position or 4-position joysticks, and up to 24 to-from functions + 24 functions (optional)

Size: 340 x 175 x 160 mm

Weight: 2,5 kg

GENERAL

Switch type: Momentary or maintained function

Switch option: Joystick (single/double axis), toggle switch, rotary switch, and pushbuttons
Key breaker option: on/off voltage

Antenna: Internal

Types of display:

Mercury 300 and Mercury 500:

Five figure LEDs and 8+5 indicators. 16 alphanumeric characters on 1-line LCD with background lighting and 8+5 indicators. 32 alphanumeric characters on 2-line LCD with background lighting and 8+5 indicators.

Type of transmission: FM FSK

Transmission speed: Standard 4 800 baud, 2 400 and 9 600 baud optional.

Operating temperature range: -25°C to +55°C; range can be widened

Radio transmitter:

405 - 470 MHz, continuous or TDMA

Output power: Varies depending on application and licensing limitations; normally 10 to 500 mW

Coverage area: Up to 1000 m; depending on visibility conditions, output power, and type of antenna

Battery: 6 V/7,2 V NiMH

Operating time: 8 hours