

Remotus RX182-Link

Åkerströms' Remotus Mercury radio remote control system is developed to provide the safety and reliability that are required for wireless control of equipment in demanding industrial environments such as metal and processing industries, steel works, and mines. Åkerströms has more than 50 years of experience in developing radio control for industry and its specific needs.

The Remotus RX182-Link is a system for wireless I/O data communication between two or several RX182 units within a large area or when direct connections are not possible. The RX182Link can also connect to other Åkerströms products such as the CU96 or RX82Link.

Avoids expensive cable installations.

With the RX182-Link, you avoid expensive cable installations. The connection to the system is via a standard 48 pole Harting connector. Other connectors can be offered.

Safety category 4.

The Remotus RX182-Link is encased in a specially designed steel enclosure. The

RX182-Link internal architecture complies with safety category 4 (according to EN 954/11 Part 1, DIN V 19250/.94 and DIN V VDE 0801/1.90). The system is equipped with a dual-channel architecture on all outputs to ensure a high degree of safety for emergency stop commands. Emergency stop commands are executed automatically if an internal error occurs.

Powerful PLC-system.

The Remotus RX182-Link has a powerful, built-in programmable logic controller (PLC) system that handles sophisticated data processing. It also has 14-bit address, which enables 16,384 addresses; serial, asynchronous communication channel for communication, for example with scales and position sensors; a built-in monitor for test and parameter settings, and indicators of different functions in the system (e.g. status and outputs).



TECHNICAL FACTS

Radio frequency: 405-470 MHz
Channel separation: 25 kHz; 20/12.5 kHz optional
Output power: 50/500 mW
Sensitivity (9600 b): -100 dBm
Transmission speed: 9600 or 4800 baud
Type of transmission: FM FSK
The radio fulfills: ETS 300 220

Digital Inputs: 16 digital inputs
Digital Outputs: 16 digital outputs (18 optional)
Emergency- stop output: Double relays

Supply voltage: 115/230 or 24/48 VAC, 15-35 VDC
Power consumption: Maximum 45 W
Operating temperature range: -25°C to +55°C
Storage temperature range: -40°C to +85°C
HK relays: 2*250 V AC, 2 A
Size: 355 x 250 x 145 mm
Weight: 8 kg