safir

Due to the wide range of areas in which radio remote controls are used, your radio remote control needs to be perfectly suited to your needs. With our new product line, our solutions have been thought out to meet your requirements, with options and variants dedicated to your activity.

ERGONOMIC

Very special care has been taken in the design and ergonomics of our solutions to ensure rugged products providing maximum comfort in use day after day.

JAY's remote control buttons provide optimum touch sensitivity and are sized to allow the operator to easily use the radio remote control even when wearing gloves.

The buttons are laid out to prevent the operator from mistakenly pressing two buttons at the same time.

RUGGED

Designed to work under the toughest conditions, our products are built and sized to be extra-rugged. Specially designed seals and protective foams ensure the highest level of strength and tightness.

EASY TO MAINTAIN

By the modular architecture of our systems, maintenance is facilitated to allow reduced-cost repairs.

To ensure fast diagnostics and preventive maintenance on the radio control system, fault isolation is achieved easily and efficiently by an indication on the display or by connecting to a PC computer on which maintenance software has been installed (supplied with order).

The simple, secure match-up between the operator module and the transceiver makes it easy and fast to replace one of the two components in the event of a failure.

SAFETY

Safety is at the heart of our concept. Our safir product line is certified "SIL 3" per EN 61508 and "PL e" per EN ISO 13849 representing the highest level of safety.

Different options are available to enhance the safety of those applications requiring it (infrared startup, action zone limitation, validation buttons, use in ATEX area, function buttons SIL 2 according to EN 61508 and PL d according to EN ISO 13849).

Access to the radio remote control and certain functions can be limited to authorised operators by password (PIN codes).
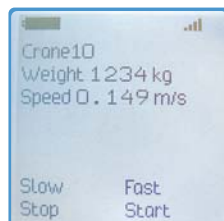
SCREEN

As a standard feature on our safir solutions, the backlit, anti-reflection, shock-proof, scratch-proof screen displays :

→ the battery charge level
→ the behaviour of the radio link
→ the name of the equipment remote-controlled
→ feedback from the equipment controlled and operating alarms (weight of load, overload, limit switches)
→ fault diagnostics.

Sophisticated, intuitive and guided navigation with menus allowing you to :

→ configure the application
→ integrate a large number of functions
→ monitor a specific part of the equipment.

Customisable

Each product comes with a software to allow you to customize the display, logos and pictograms which appear on the screen.

MANY EXAMPLES OF DEVELOPMENTS / APPLICATIONS

> **radiocrane**

Overhead conveyor
Overhead travelling crane

> **radiogreen**

Brush grinder and chipper
Iron and steel scrap press
Water treatment equipment
Pressure cleaner, vacuum cleaner
and air gun

> **radiodrive**

Transport of bulk and dried food
Bulk bin loading/unloading arm
Sewer hydrocleaning vehicle
Special transport trailers

> **radiobuild**

Tower crane
Self-driven pump, belt, concrete mixer
Crusher and materials sifter
Demolition machine / robot
Drilling, perforation and slicing
machinery

> **radiosafe**

Automated storage
Self-propelled handling
Adjustment on an automated machine
Manual control machine

> **radiofarm**

Forestry timber cross-cutting
and hauling
Wine pump

> **radiolift**

Lift
Escalator

> **radiomotion**

Waterway bridge
Port crane or conveyor belt
Gas and oil loading arm
Airport equipment
Lighting and handling
of stage sets
Railway equipment

Beta
P001EN

Compact, easy to handle, flexible Operator module
2 or 6 function buttons + 2 navigation buttons
+ start/validation + stop
3 different button types available
IP65 tightness Operator module
Integrated or Plug-in rechargeable battery
Operator module support charger
Safety stop PL e EN ISO 13849 and SIL 3 EN 61508
64 frequencies in 433-434MHz
12 frequencies in 869MHz
Many options

Gama
P002EN

Robust, Ergonomic, Secure Operator module
6 or 10 function buttons + 2 navigation buttons
+ start/validation + stop
3 different button types available
IP65 tightness Operator module
Plug-in rechargeable battery
Operator module support charger
Safety stop PL e EN ISO 13849 and SIL 3 EN 61508
64 frequencies in 433-434MHz
12 frequencies in 869MHz
Infrared start-up option

Pika
P003EN

Compact, Ergonomic Operator module
1 or 2 joysticks + 4 or 6 function buttons
+ 2 navigation buttons + start/validation + stop
6 different button types available
IP65 tightness Operator module
Plug-in rechargeable battery
Safety stop PL e EN ISO 13849 and SIL 3 EN 61508
64 frequencies in 433-434MHz
12 frequencies in 869MHz
Different options available

Moka
P004EN

Modular, multifunction Operator module
2, 3 joysticks or 6 levers + 4 to 16 function buttons
+ 2 navigation buttons + start/validation + stop
6 different button types available
IP65 tightness Operator module
Plug-in rechargeable battery
Safety stop PL e EN ISO 13849 and SIL 3 EN 61508
64 frequencies in 433-434MHz
12 frequencies in 869MHz
Different options available

UR

E730

Compact industrial remote control
4 function buttons + start + stop
5 different button types available
Electronic key
Light-weight, compact transmitter
IP65 tightness, protective foams
Integrated rechargeable battery
Transmitter support charger
Safety stop PL d EN ISO 13849
6+3 relays
64 frequencies in 433-434MHz
Infrared start-up option

UC

E770

Standard industrial remote control
6 or 8 function buttons + start + stop
3 different button types available
Electronic key
IP65 tightness transmitter and receivers
Plug-in rechargeable battery
Safety stop PL d EN ISO 13849
9 or 12 +3 relays
64 frequencies in 433-434MHz
12 frequencies in 869MHz

Orion

E780

Simple industrial remote control
1, 2, 4, 6, 8, 12 or 16 function buttons
Versions with start/stop buttons
Single step push buttons
IP65 tightness transmitters and receivers
Standard battery or rechargeable battery
Transmitter support charger
2, 4, 8 or 16 +1 relays
1 or 18 frequencies
in 433-434MHz
Programmable

Isis

E830

Radio logical signal transfers
8 logical signals
IP65 tightness housings
4 or 8 relays
18 frequencies in 433-434MHz
Programmable

UD

E330

Modular industrial remote control
6, 8 or 10 function buttons + start + stop
6 different button types available
Electronic key
IP65 tightness transmitter and receivers
Plug-in rechargeable battery
Safety stop PL d EN ISO 13849
6, 12 or 18 +3 relays
64 frequencies in 433-434MHz
12 frequencies in 869MHz
64 frequencies in 911-918MHz
Infrared start-up option
Special functions

XD

E810

ATEX industrial remote control
Transmitter Ex II 1 GD Ex ia IIB T5 Ga
Ex ia IIIC T100°C Da IP65
Receiver Ex II 2 GD Ex d ia IIB T6 Gb
Ex t IIIC T80°C Db IP65
6 or 10 function buttons + start + stop
6 different button types available
Electronic key
IP65 tightness transmitter and receivers
Plug-in rechargeable battery
Safety stop PL d EN ISO 13849
18 +3 relays
64 frequencies in 433-434MHz
12 frequencies in 869MHz

RS

E800
E690
E680

Radio emergency stop - Radio validation handle
4 function buttons + start/stop or 3 position trigger
Light-weight, compact and ergonomic transmitters
IP65 tightness, protective foams
Integrated rechargeable battery
Transmitter support charger
Safety stop PL e EN ISO 13849 and SIL 3 EN 61508
6 static outputs + 2 safety relays
64 frequencies in 433M-434Hz
Infrared start-up option