MANY SOLUTIONS DEVELOPED FOR THE FOLLOWING APPLICATION MARKETS :

> ## radiocrane
Overhead conveyor
Overhead travelling crane

> ## radiogreen
Brush cutter
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
Coal or rock cutters

> ## radiosafe
Automated storage
AGV
Self-propelled handling
Adjustment on an automated machine
Manual control machine
Interventions on dangerous equipment

> ## radiofarm
Forestry timber cross-cutting and hauling
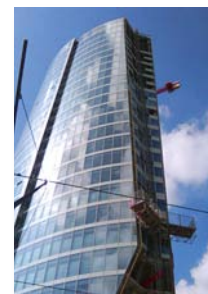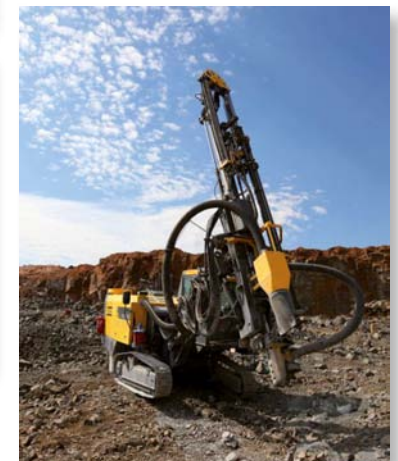Wine pump

> ## radiolift
Lift
Escalator
Permanent building maintenance platforms
Ski lifts

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

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, and give you the autonomy setting for your application through iDialog software.

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.

SAFETY

Safety is at the heart of our concept. So, safir product line has a certified stop «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).

**Most of our products have a CE type examination certificate issued by a notified body.**

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 iDialog software has been installed (supplied with order). Also, this software allows you to **change a setting.**

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.
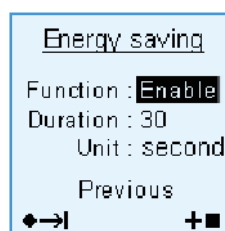
SCREEN

As a standard feature on last generation solutions, the backlit, anti-reflection, shock-proof, scratch-proof screen displays :
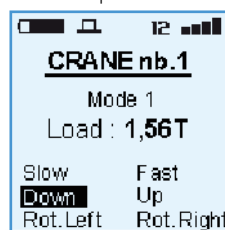
→ the battery charge level
→ the behaviour of the radio link
→ the name of the equipment remote-controlled
→ feedback from the equipment controlled and operating alarms (weight of load, overload, limit switches)
→ fault diagnostics.

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 iDialog software to allow you to customize the display, logos and pictograms which appear on the screen.

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
Bidirectional communication
64 frequencies in 433-434MHz
12 frequencies in 869MHz
64 frequencies in 911-918MHz
Many options available :
• infrared,
• vibrator...

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
Function buttons designed to SIL 2 per EN 61508 and PL d per EN ISO 13849
Safety stop PL e EN ISO 13849 and SIL 3 EN 61508
Bidirectional communication
64 frequencies in 433-434MHz
12 frequencies in 869MHz
64 frequencies in 911-918MHz
Many options available :
• infrared,
• vibrator...

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
Bidirectional communication
64 frequencies in 433-434MHz
12 frequencies in 869MHz
64 frequencies in 911-918MHz
Many options available :
• recovery control by cable link,
• infrared,
• vibrator...

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
Bidirectional communication
64 frequencies in 433-434MHz
12 frequencies in 869MHz
64 frequencies in 911-918MHz
Many options available :
• recovery control by cable link,
• infrared,
• vibrator...

Timo

P006EN

Communicating and compact Transceiver
6 transistor outputs On/Off or PWM type
2 analog outputs
2 logic inputs
1 analog input
1 RTU slave RS485 Modbus interface
1 CANopen interface
IP65 tightness
Safety stop PL e EN ISO 13849 and SIL 3 EN 61508
Bidirectional communication
64 frequencies in 433-434MHz
12 frequencies in 869MHz
64 frequencies in 911-918MHz
Many options available :
• external antenna,
• infrared,
• synchronisation of equipment...

snch
E13 10R - 04 13347

Elio

P007EN

Optimised and open-ended Transceiver
12 function relays + 1 «On» relay + 2 safety relays
IP65 tightness
Safety stop PL e EN ISO 13849 and SIL 3 EN 61508
Bidirectional communication
64 frequencies in 433-434MHz
12 frequencies in 869MHz
64 frequencies in 911-918MHz
Many options available :
• 1 board with : - 2 logical inputs
               - 1 analog input
               - 1 analog output
               - 1 RTU slave RS485 Modbus interface
• infrared
• synchronisation of equipment
• integrated horn...

Alto

P008EN

Modular and multifunction Transceiver
2 function relays + 2 safety relays
1 logic input
1 analog input
1 RTU slave RS485 Modbus interface
IP65 tightness
Safety stop PL e EN ISO 13849 and SIL 3 EN 61508
Bidirectional communication
64 frequencies in 433-434MHz
12 frequencies in 869MHz
64 frequencies in 911-918MHz
Many options available :
• Boards (3 slots available on mainboard) :
         - board with 12 function relays
         - board with 12 logic inputs + 2 analog inputs
         - board with 6 analog outputs + 1 bypass output
         - board with CANopen interface
• recovery control by cable link,
• infrared,
• synchronisation of equipment...

Nemo

P005EN

Communicating and compact Transceiver
1 logic input
2 PL c per EN 13849 relay outputs
1 RTU slave RS485 Modbus interface
1 CANopen interface
IP65 tightness
Safety stop PL e EN ISO 13849 and SIL 3 EN 61508
Bidirectional communication
64 frequencies in 433-434MHz
12 frequencies in 869MHz
64 frequencies in 911-918MHz
Many communication bus network options :
• RS485 PROFIBUS / PROFINET
• RS485 DEVICENET
• Real-time deterministic Ethernet POWERLINK industrial network
• Ethernet/IP
• EtherCAT
• Modbus TCP/IP
Other options :
• infrared,
• synchronisation of equipment,
• recovery control by cable link...

Beta ATEX IECEx

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
Safety stop PL e EN ISO 13849 and SIL 3 EN 61508
Bidirectional communication
64 frequencies in 433-434MHz
12 frequencies in 869MHz
64 frequencies in 911-918MHz
Many options available :
• buzzer...

CE 0081 Ex
II 1 G D
Ex ia IIB T4 or 145°C Ga (1)
Ex ia IIIC T135°C or T145°C Da (1)
II 2 G D
Ex ia IIC T4 or 145°C Gb (1)
Ex ia IIIC T135°C or T145°C Db (1)
I M1
Ex ia I Ma
LCIE 14 ATEX 3055 X
IECEx LCIE 14.0049 X

Gama ATEX IECEx

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
Function buttons designed to SIL 2 per EN 61508 and
PL d per EN ISO 13849
Safety stop PL e EN ISO 13849 and SIL 3 EN 61508
Bidirectional communication
64 frequencies in 433-434MHz
12 frequencies in 869MHz
64 frequencies in 911-918MHz

CE 0081 Ex
II 1 G D
Ex ia IIB T4 or 145°C Ga (1)
Ex ia IIIC T135°C or T145°C Da (1)
II 2 G D
Ex ia IIC T4 or 145°C Gb (1)
Ex ia IIIC T135°C or T145°C Db (1)
I M1
Ex ia I Ma
LCIE 15 ATEX 3055 X
IECEx LCIE 15.0045 X

Pika ATEX IECEx

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
Bidirectional communication
64 frequencies in 433-434MHz
12 frequencies in 869MHz
64 frequencies in 911-918MHz
Many options available :
• recovery control by cable link...

CE 0081 Ex
II 1 G D
Ex ia IIB T4 or 145°C Ga (1)
Ex ia IIIC T135°C or T145°C Da (1)
II 2 G D
Ex ia IIC T4 or 145°C Gb (1)
Ex ia IIIC T135°C or T145°C Db (1)
I M1
Ex ia I Ma
LCIE 15 ATEX 3058 X
IECEx LCIE 15.0047 X

With cable link option :

CE 0081 Ex
II 1 G D
Ex ia IIB T4 or 145°C Ga (1)
Ex ia IIIC T135°C or T145°C Da (1)
I M1
Ex ia I Ma
U_i : 8V; P_i : 310mW;
C_i : 96.2µF; L_i : 0.54µH;
LCIE 15 ATEX 3058 X
IECEx LCIE 15.0047 X

Moka ATEX IECEx

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
Bidirectional communication
64 frequencies in 433-434MHz
12 frequencies in 869MHz
64 frequencies in 911-918MHz
Many options available :
• recovery control by cable link...

CE 0081 Ex
II 1 G D
Ex ia IIB T4 or 145°C Ga (1)
Ex ia IIIC T135°C or T145°C Da (1)
I M1
Ex ia I Ma
LCIE 14 ATEX 3014 X
IECEx LCIE 14.0015 X

With cable link option :

CE 0081 Ex
II 1 G D
Ex ia IIB T4 or 145°C Ga (1)
Ex ia IIIC T135°C or T145°C Da (1)
I M1
Ex ia I Ma
U_i: 5.9V; I_i: 210mA; P_i: 310mW;
C_i: 96.2µF; L_i: 0.54µH
LCIE 14 ATEX 3014 X
IECEx LCIE 14.0015 X

(1) Temperature classes depending on Tamb:
-20°C ≤ Tamb ≤ +40°C, temperature classes are T4 for gas and T135°C for dust.
+40°C ≤ Tamb ≤ +50°C, temperature classes are 145°C for gas and T145°C for dust.

Elio ATEX IECEx

P013EN

Optimised and open-ended Transceiver
12 function relays + 1 «On» relay + 2 safety relays
IP66 tightness
Safety stop PL e EN ISO 13849 and SIL 3 EN 61508
Bidirectional communication
64 frequencies in 433-434MHz
12 frequencies in 869MHz
64 frequencies in 911-918MHz
Many options available :
• 1 board with : - 2 logical inputs
                         - 1 analog input
                         - 1 analog output
                         - 1 RTU slave RS485 Modbus interface
• synchronisation of equipment

C E 0081 Ex
II 2 GD
Ex d IIB T6 Gb
Ex tb IIIC T85°C Db
LCIE 15 ATEX 3023 X
IECEx LCIE 15.0025 X

Alto ATEX IECEx

P012EN

Modular and multifunction Transceiver
2 function relays + 2 safety relays
1 logic input
1 analog input
1 RTU slave RS485 Modbus interface
IP66 tightness
Safety stop PL e EN ISO 13849 and SIL 3 EN 61508
Bidirectional communication
64 frequencies in 433-434MHz
12 frequencies in 869MHz
64 frequencies in 911-918MHz
Many options available :
• Boards (3 slots available on mainboard) :
        - board with 12 function relays
        - board with 12 logic inputs + 2 analog inputs
        - board with 6 analog outputs + 1 bypass output
        - board with CANopen interface
• recovery control by cable link,
• synchronisation of equipment...

C E 0081 Ex
II 2 GD
Ex d IIB T6 Gb
Ex tb IIIC T85°C Db
Um ≤250 VAC
LCIE 14 ATEX 3005 X
IECEx LCIE 14.0014 X

With cable link option :

C E 0081 Ex
II 2 (1) GD
Ex d [ia Ga] IIB T6 Gb
Ex tb [ia Da] IIIC T85°C Db
Um ≤ 125 VAC
Uo : 5.9V ; Io : 210mA, Po : 310mW
Co : 1000µF ; Lo : 3.22mH,
Lo/Ro : 460µH/Ω
LCIE 14 ATEX 3005 X
IECEx LCIE 14.0014 X

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 function relays + 1 «On» relay
+ 2 safety relays
64 frequencies in 433-434MHz
Infrared start-up option

Jump

P009EN

Secure active radio repeater
PL e EN ISO 13849 and SIL 3 EN 61508
IP65 tightness
Compatibility with UR, UD, RS Series
64 frequencies in 433-434MHz

Orion

E780

Simple industrial remote control
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 operating mode

UC-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 function relays + 1 «On» relays + 2 safety relays
64 frequencies in 433-434MHz
12 frequencies in 869MHz
64 frequencies in 911-918MHz
Infrared start-up option
Special functions

Isis

E830

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

RS Wireless safety transmission system

E780

Wireless safety logic signal transmission system
10 logical signals + 1 safety signal
PL e EN ISO 13849 and SIL 3 EN 61508
DIN rail housings
64 frequencies in 433-434MHz
Infrared start-up option

RS Wireless enabling handle

E690

Wireless enabling handle
4 function buttons + trigger with 2 or 3 positions
Light-weight, compact and ergonomic transmitter
IP54 tightness, protective foams
Integrated rechargeable battery
Charger support
Safety stop PL e EN ISO 13849 and SIL 3 EN 61508
6 static outputs + 2 safety relays
64 frequencies in 433-434MHz
Infrared start-up option

RS Wireless emergency stop

E730

Wireless emergency stop system
4 function buttons + Start/Stop
Light-weight, compact and ergonomic transmitter
IP65 tightness, protective foams
Integrated rechargeable battery
Charger support
Safety stop PL e EN ISO 13849 and SIL 3 EN 61508
6 static outputs + 2 safety relays
64 frequencies in 433-434MHz
Infrared start-up option

19/05/2016 - ED - d.A