Industrial radio remote controls
Wireless information transmission

Free yourself from cables !

Jay
électronique

« With more than 40 years of experience in industrial control and automated systems, JAY Electronique is constantly strengthening its position as a world specialist in button and switch-operated industrial radio remote control and wireless information transmission technology with a complete range of products and solutions designed to meet the broadest range of requirements and applications. »

Areas of expertise

JAY Electronique is your partner for your «wireless» control and automated systems.
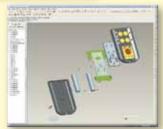
Application know-how :

- In-depth knowledge of industrial lifting and handling markets
- In-depth knowledge of industrial vehicle markets
- In-depth knowledge of industrial equipment markets
- In-depth knowledge of infrastructure markets
- Experienced in standardisation practices and organisations
- Active participation in standardisation committees
- Application of regulatory requirements (directives related to machinery, radio-electricity, including EMC and Low Voltage)
- Ergonomic equipment design to ensure safe, effective use of equipment

Technological know-how :

- Radio data transmission
- Radio frequencies
- Microwaves
- Signal processing
- Combined technologies (radio / infra-red)
- Safety-enhancing concepts implementing innovative technologies
- Man/machine interfaces

Observance of standards

The JAY Electronique products are in conformity with the various applicable regulations depending on applications, products and countries, in particular as regards the European directives.

Hertzian equipment directives :

- Directive relating to hertzian and final telecommunication equipment (99/5/CE of March 9, 1999) with reference to the requirements of :
  - **Health and safety protection** (basse tension), (low voltage), as per IN 60947-5-1 (05/99)
  - **Protection relating to electromagnetic compatibility** (CEM), as per ETS 300 683 (97)
  - **Correct use of the radio electric spectrum** in order to avoid detrimental interferences (radio electric spectrum), as per IN 300 220-1 (11/97)

Depending on the products, the following approvals were obtained :

- Radio electric approvals in many countries (Europe, Canada, China, Israel, Singapore, Switzerland, the USA). Products are also in conformity to be used in Australia, New Zealand, Brazil, Argentina, Chile.

- Category 3 or 4 safety approval according to IN 954-1 (07/96) on its function « priority emergency stop « delivered by TÜV, BG, AIB Vinçotte.

Machine directive :

- Machine Directive (98/37/CE of June 22, 1998) with reference to the safety and health requirements, relating to the building of safety machines and components.

ATEX certification :

- Equipment and safety systems intended for the use in potentially explosive atmosphere
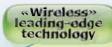
XD Series

Quality

Through its determined and consistent quality approach over the past several decades, JAY Electronique was awarded its first ISO9001 certification as early as 1996; this certification has been regularly and successfully renewed.

At JAY Electronique, quality is focused on meeting our customers expectations through :

- reliable deadlines, delivering our new products on time
- responsiveness in all circumstances
- modular, customisable offers designed to meet our customers' specific application and environment needs
- appropriate, effective services (telephone and on-site technical assistance, training, fault diagnostics, repairs, etc.)

The advantages of communicating by radio link :

Freedom to move around :
- Omnidirectional link
- Insensitive to obstacles

Operating in industrial and severe environments :
- Sturdiness
- Mechanical protection
- Tightness IP65

Lower installation and maintenance costs :
- Easy installation (no cable, no civil engineering)
- Flexibility of the installations
- Reduced maintenance decreasing the exploitation costs

Easy to use :
- Control facilitated by light-weight, ergonomic transmitters
- Broad range of configurations adapted to applications

Operating safety :
- Frequency coding and error-proof transmitter/receiver matching
- Short, constant response time
- Safety stop (depending on model)
- Security of transmitted data thanks to coding technology

By our innovative technical solutions, JAY Electronique's radio remote control systems ensure :

High-quality and accurate operations, Visibility, Safety, Productivity

JAY Electronique's offer provides solutions to all your application needs :

Series :	ORION industrial Multi. + «On/» button	UX	UT	UP	UJ	UR	UD	UC	LD	XD	OMNI-CONTROL	RADIO SAFE
• Start-up sequence	■	■	■	■	■	■	■	■	■	■	■	■
• «Dead-man» function duration on transmitter	■	■	■	■	■	■	■	■	■	■	■	■
• Transmitter stop	■	■	■	■	■	■	■	■	■	■	■	■
• Transmitter locking key			■	■	■	■ electronic key	■ electronic key	■ electronic key	■ electronic key	■ electronic key		■ electronic key
• Neutralization of the transmitter when opening of the housing				■	■							
• Cut-out relay for common line of output relays	■		■	■	■	■	■	■	■			■
• Passive stop function	■	■	■	■	■	■	■	■	■	■	■	■
• Active priority stop function	■	■	■	■	■	■	■	■	■	■	■	■
• Safety stop as defined by EN 954-1 (redundant processing and monitoring of safety outputs if category 3 or 4)	■ category B	■ category 3	■ category B	■ category B	■ category 4	■ category 3	■ category 3	■ category 3	■ category 3	■ category 3	■ category 3	■ category 4
• Monitoring of control outputs					■							
• Equipment start subject to infrared authorisation signal (safety conditions) (JAY Electronique patent)					■ IR start-up option	■ IR start-up option	■ IR start-up option		■		■ IR start-up option	■ IR start-up option
• Presence detection by infrared									■			
• Use in ATEX zone										■		

JAY Electronique's offer provides solutions to all your application needs :

Series :	ORION Standard	ORION Industrial	ORION Multi	UX	UT	UP	UJ	UR	UD	UC	LD	XD	OMNI-CONTROL	RADIO SAFE	ISIS
Infrastructure equipment															
Industrial production operator calls	■	■													
Theatre sets	■	■	■												
Industrial lighting	■	■	■												■
Traffic lights on industrial site	■	■													
Industrial pressure cleaners		■													
Sluice gates		■													■
Industrial doors, gates, barriers	■	■	■												■
Industrial vehicles															
Clean-up vehicles		■	■		■			■	■			■			
Truck carrying cars			■	■				■	■						
Gaz transport					■			■	■			■			
Food product transport		■						■							
Animal feed transport		■	■		■			■	■						
Recovery winches	■	■	■					■							
Impoundment vehicles	■	■	■												
Industrial equipment															
Self-propelled devices								■	■		■	■			■
Compactors, Grinders		■	■	■				■	■		■	■	■		
Ground and air conveyors		■	■	■				■	■		■		■		■
Ovens		■	■					■	■				■		
Dynamic storage	■	■	■					■	■						
Transfer cranes	■	■	■	■				■	■				■	■	■
Dangerous machines														■	
Industrial lifting															
Hoists, monorails, jib cranes		■	■			■		■	■	■		■			
Travelling cranes, gantry cranes						■	■		■	■	■	■	■		■
Person elevators															
Elevating platforms		■	■					■	■				■		■
Building industry and civil engineering equipment															
Quarry conveyors		■	■												
Asphalt spreader		■	■												
Tower cranes									■	■			■		
Freight elevators	■	■						■							
Concrete pumps and mats									■					■	
Hoppers		■	■					■				■			
Farm equipment															
Animal husbandry equipment		■													■
Wine making pumps	■	■	■												■
Liquid manure tanks			■												

A large variety of industrial sectors takes advantages by using a JAY Electronique radio remote control :

■ **Manufacturing industries :**

- Papers / boxes
- Wood
- Rubber and plastic
- Glass
- Ceramic
- Tiles and bricks
- Cement
- Iron industry
- Farm-produce industry
- Metal industry
- Foundry
- Automobile industry
- Railway material
- Shipbuilding
- Aeronautic manufacturing

■ **Mining industries :**

- Mines
- Quarries

■ **Construction**

■ **Farming**

■ **Environment :**

- Sorting of the waste

■ **Transport**

ORION Series

Simple radio remote controls with buttons

Standard transmitters

Industrial transmitters

Multifunction transmitters

Applications

	Standard transmitters	Industrial transmitters	Multifunction transmitters
Type of radio link	• Momentary radio link • 1 fixed frequency (434,700 MHz) • Range in unobstructed area : 150 m	• Momentary radio link • 1 or 18 frequencies in 433-434 MHz programmable by the user • Programmable frequency by the user on models equipped with the **«On/Off»** button • Range in unobstructed area : 150 m	• Momentary radio link • 1 or 18 frequencies in 433-434 MHz programmable by the user • Programmable frequency by the user on models equipped with the **«On/Off»** button • Range in unobstructed area : 150 m
Safety		• Red button **«On/Off»** controlling a common relay in the receiver (on certain versions)	• Red button **«On/Off»** controlling a common relay in the receiver (on certain versions)
Ergonomics and characteristics	• Lightweight and compact transmitters • Tightness IP40 • Mechanical buttons • Programmable operating mode • Batteries	• Lightweight and compact transmitters • Tightness IP67 • Transmitter robustness strengthened by protective foams • Mechanical buttons • Programmable operating mode • Batteries	• Lightweight and compact transmitters • Tightness IP65 • Important number of function buttons • Buttons on digital keyboard • Programmable operating mode • Batteries or accumulatorss
Transmitter versions	• 3 available models : - 1 function button - 2 function buttons - 4 function buttons	• 4 available models : - 2 function buttons - 4 function buttons - 2 buttons + 1 «On/Off» button - 4 buttons + 1 «On/Off» button	• 6 available model (batteries) : - 16 function buttons - 8 function buttons - 4 buttons + 1 «On/Off» button - 6 buttons + 1 «On/Off» button - 8 buttons + 1 «On/Off» button - 12 buttons + 1 «On/Off» button These models can use accumulators

Receiver versions

Rail DIN

Industrial «small model»

Industrial «large model»

	Rail DIN IP20	Industrial «Small model» IP65	Industrial «Large model» IP65
Number of relay output	2 or 3	2 or 4	8 or 16
Additional output «Common» relay	0 or 1	0 or 1	1

Technical data sheet number :
to be requested for more information

E780

OB Series
Simple radio remote controls with buttons

UX Series
Multi-function industrial enhanced-safety radio remote control

Main characteristics

	OB Series	UX Series
Applications		
Type of radio link	• Momentary radio link • 1 fixed frequency : 433,92 MHz • Range in unobstructed area : 150 to 280 m (depending on transmitter model) • **The OB Series is compatible with the UB Series, reserved for installation maintaining and extension of existing UB installation**	• Momentary radio link • 64 fixed frequencies in 433 MHz or 12 fixed frequencies in 458 MHz • Range in unobstructed area : 50 m
Safety	• Transmitter stop function on some **OBEL** versions. • Relay that may be used to cut out the common line of the output relays, on the **OBRA** version	• Category 3 safety stop function as defined by EN 954-1 (passive stop function controlling two monitored safety outputs, redundant processing signal by two microprocessors) • Reinforced safety characteristics to comply with future European standards and directives
Ergonomics and characteristics	• Lightweight and compact transmitters and receivers • Programming of the operating mode (maintained support of ON/OFF support) • Battery or fixed accumulator	• Compact transmitters and receivers • Tightness IP65 • Fixed accumulator

Versions and number of transmitter functions

OB Series — • Available in different versions and different numbers of function :

	Standard OBET IP40	Industrial OBEI IP67	Multi OBEL IP65	Multi UBEL IP65
Number of function buttons	1 2 4	2	4 8	16 and 16x16 (2-touch mode)
Transmitter stop button	/	/	Available on certain versions	/

UX Series — • Available in :
- 8 x 4 functions
- 18 x 4 functions
- 26 x 4 functions

Versions and number of receiver functions

OB Series — • Relay outputs • Available in different versions :

	Rail DIN OBRD IP40	Industrial small model OBRS IP65	Industrial large modèle OBRA IP65
Number of function outputs	3	2 4	8
Number of additional outputs	/	1 on certain models	1

UX Series — • Static outputs • Number of function outputs :
- 16 x 2 (multiplexing)
- 36 x 2 (multiplexing)
- 52 x 2 (multiplexing)

| **Technical data sheet number :** to be requested for more information | / | E267 |

UT Series	UP Series	UJ Series
Industrial radio remote control with buttons	**Industrial radio remote control with buttons**	**Industrial enhanced-safety radio remote control systems with buttons** with optional infrared start-up (JAY Electronique patent)

• Permanent radio link • 64 fixed frequencies in 433 MHz or 12 fixed frequencies in 458 MHz • Range in unobstructed area : 850 m	• Permanent radio link • 64 frequencies in 433 MHz or 12 frequencies in 458 MHz or 12 frequencies in 869 MHz programmable by the installer • Range in unobstructed area : 250 m	• Permanent radio link • 64 frequencies in 433 MHz or 12 frequencies in 458 MHz or 12 frequencies in 869 MHz programmable by the installer • Range in unobstructed area : 210 m
• Active and passive priority stop functions controlling a common relay dedicated for safety	• Active and passive priority stop functions controlling a common relay dedicated for safety	• Safety stop function (category 4) as defined by EN 954-1 (active and passive priority stop functions controlling two common safety relays with guided contacts, redundant processing signal by two microprocessors, continuous monitoring of safety-relay status) • Reinforced safety characteristics to comply with future European standards and directives • Monitoring of control-relay status • Safety function control of starting of remote controlled equipment, with optional infrared start-up
• Transmitter homogeneous with pendant button housings • Tightness IP65 • Fixed accumulator	• Transmitter homogeneous with pendant button housings • Tightness IP65 • Proven quality • Special heavy-duty design • Fixed accumulator	• Transmitter homogeneous with pendant button housings • Tightness IP65 • Proven quality • Special heavy-duty design • Fixed accumulator

• Available in :
 	
4 button version :
2 Two-step function buttons
+ 1 «On / Horn» button
+ 1 stop palmswitch
 	
or
 	
6 button version :
4 Two-step function buttons
+ 1 «On / Horn» button
+ 1 stop palmswitch
	• Available in :
	
	8 button version :
	6 Two-step function buttons
	+ 1 «On / Horn» button
	+ 1 stop palmswitch
	
	or
	
	12 button version :
	6 Two-step function buttons
	+ 1 «On / Horn» button
	+ 1 stop palmswitch
	+ 4 additional functions with :
	  - One-step pushbutton
	  - Rotary switch with 2 fixed positions
	  - Rotary switch with 3 fixed positions
	  - Rotary switch with 3 positions with automatic return
		• Available in :
		
		8 button version :
		6 Two-step function buttons
		+ 1 «On / Horn» button
		+ 1 stop palmswitch
		
		or
		
		12 button version :
		6 Two-step function buttons
		+ 1 «On / Horn» button
		+ 1 stop palmswitch
		+ 4 additional functions with :
		  - One-step pushbutton
		  - Rotary switch with 2 fixed positions
		  - Rotary switch with 3 fixed positions
		  - Rotary switch with 3 positions with automatic return

• Relay outputs • Number of function outputs : 3 or 6 • Number of additional outputs : 2	• Relay outputs • Number of function outputs : 9 or 15 • Number of additional outputs : 2	• Relay outputs • Number of function outputs : 9 or 15 • Number of additional outputs : 3
E266	**E213**	**E212**

UR Series

Ultra-compact industrial enhanced-safety radio remote control systems with buttons
with optional infrared start-up

UD Series

Industrial enhanced-safety radio remote control systems with buttons
with optional infrared start-up

Main characteristics

	UR Series	UD Series
Applications		
Type of radio link	• Permanent radio link • 64 frequencies in 433-434 MHz programmable by the user • Range in unobstructed area : 600 m	• Permanent radio link • 64 frequencies in 433-434 MHz or 12 frequencies in 869 MHz or 64 frequencies in 911-918 MHz programmable by the user • Range in unobstructed area : 300 m
Safety	• Safety stop function (category 3) as defined by EN 954-1 (active and passive priority stop functions controlling two common safety relays with guided contacts, redundant processing signal by two microprocessors, continuous monitoring of safety-relay status) • Reinforced safety characteristics to comply with future European standards and directives • Electronic key ensuring equipment is only used by authorized operator • Safety function control of starting of remote controlled equipment, with optional infrared start-up	• Safety stop function (category 3) as defined by EN 954-1 (active and passive priority stop functions controlling two common safety relays with guided contacts, redundant processing signal by two microprocessors, continuous monitoring of safety-relay status) • Reinforced safety characteristics to comply with future European standards and directives • Electronic key ensuring equipment is only used by authorized operator • Safety function control of starting of remote controlled equipment, with optional infrared start-up
Ergonomics and characteristics	• Light-weight, ultracompact, ergonomic and sturdy transmitter • Tightness IP65 • Fixed accumulator	• Light-weight, compact, ergonomic and sturdy transmitters • Tightness IP65 • Plug-in accumulator pack
Versions and number of transmitter functions	• Available in : **4 or 6 button version :** 2 or 4 function buttons + 1 «On / Horn» button + 1 stop palmswitch • Button type available : - One-step pushbutton - Two-step pushbutton - Rotary switch with 2 fixed positions - Rotary switch with 3 fixed positions - Rotary switch with 3 positions with automatic return	• Available in : **8,10 or 12 button version :** 6, 8 or 10 function buttons + 1 «On / Horn» button + 1 stop palmswitch • Button type available : - One-step pushbutton - Two-step pushbutton - Rotary switch with 2 fixed positions - Rotary switch with 3 fixed positions - Rotary switch with 3 positions with automatic return - Electronic switch with 3 fixed positions
Versions and number of receiver functions	• Relay outputs • Number of function outputs : 6 • Number of additional outputs : 3	• Relay outputs • Number of function outputs : 6, 12 or 18 • Number of additional outputs : 3 **Particular functions :** • Transmitter-Receiver association at start-up • Coupled travelling cranes «tandem lift» type • Travelling crane transfer «pitch & catch» type • Micro-speed
Technical data sheet number : to be requested for more information	**E730**	**E330**

UC Series

Industrial enhanced-safety radio remote control systems with buttons

- Permanent radio link
- 64 frequencies in 433-434 MHz or 12 frequencies in 869 MHz programmable by the user
- Range in unobstructed area : 300 m

- Safety stop function (category 3) as defined by EN 954-1 (active and passive priority stop functions controlling two common safety relays with guided contacts, redundant processing signal by two microprocessors, continuous monitoring of safety-relay status)

- Reinforced safety characteristics to comply with future European standards and directives

- Electronic key ensuring equipment is only used by authorized operator

- Light-weight, compact, and ergonomic transmitters
- Tightness IP65
- Plug-in accumulator pack

- Available in :

  8 button version :
  6 Two-step function buttons
  + 1 «On / Horn» button
  + 1 stop palmswitch
  or
  10 button version :
  8 Two-step function buttons
  + 1 «On / Horn» button
  + 1 stop palmswitch
  or
  10 button version :
  6 Two-step function buttons
  + 1 One-step pushbutton
  + 1 electronic switch with 3 fixed positions
  + 1 «On / Horn» button
  + 1 stop palmswitch

- Relay outputs

- Number of function outputs : 9 or 12

- Number of additional outputs : 3

E770

LD Series

Industrial enhanced-safety radio remote controls with operator presence detection feature by infrared

- Permanent radio link
- 64 frequencies in 433-434 MHz or 12 frequencies in 869 MHz programmable by the user
- Maximum guaranted range : 8 m

- Safety stop function (category 3) as defined by EN 954-1 (active and passive priority stop functions controlling two common safety relays with guided contacts, redundant processing signal by two microprocessors, continuous monitoring of safety-relay status)
- Reinforced safety characteristics to comply with future European standards and directives
- Electronic key ensuring equipment is only used by authorized operator
- Operator presence detection system by infrared, allowing to delimit a control area
- **Exist in infrared communication version : iD Series**

- Light-weight, compact, ergonomic and sturdy transmitters
- Tightness IP65
- Plug-in accumulator pack

- Available in :

  8,10 or 12 button version :
  6, 8 or 10 function buttons
  + 1 «On / Horn» button
  + 1 stop palmswitch

- Button type available:

  - One-step pushbutton
  - Two-step pushbutton
  - Rotary switch with 2 fixed positions
  - Rotary switch with 3 fixed positions
  - Rotary switch with 3 positions with automatic return
  - Electronic switch with 3 fixed positions

- Relay outputs

- Number of function outputs : 6,12 or 18

- Number of additional outputs : 3

E790

XD Series

Industrial enhanced-safety radio remote control systems with buttons for use in explosible atmosphere - ATEX

- Permanent radio link
- 64 frequencies in 433-434 MHz or 12 frequencies in 869 MHz programmable by the user
- Range in unobstructed area : 300 m

- Designed for use in zone 1 and 2 explosible atmospheres and zone 21 and 22 dust explosible atmospheres.
- Safety stop function (category 3) as defined by EN 954-1 (active and passive priority stop functions controlling two common safety relays with guided contacts, redundant processing signal by two microprocessors, continuous monitoring of safety-relay status)
- Reinforced safety characteristics to comply with future European standards and directives
- Electronic key ensuring equipment is only used by authorized operator

- Light-weight, compact, ergonomic and sturdy transmitters
- Tightness IP65
- Plug-in accumulator pack
- Explosion-proof receiver housing

- Available in :

  8,10 or 12 button version :
  6, 8 or 10 function buttons
  + 1 «On / Horn» button
  + 1 stop palmswitch

- Button type available:

  - One-step pushbutton
  - Two-step pushbutton
  - Rotary switch with 2 fixed positions
  - Rotary switch with 3 fixed positions
  - Rotary switch with 3 positions with automatic return
  - Electronic switch with 3 fixed positions

- Relay outputs

- Number of function outputs : 18

- Number of additional outputs : 3

E810

Main characteristics	**OMNICONTROL Series** Industrial enhanced-safety radio remote control systems with manipulators with optional infrared start-up	**RADIOSAFE Series** Radio emergency stop with optional infrared start-up
Applications		
Type of radio link	• Permanent radio link • 64 frequencies in 868-869 MHz or 30 frequencies in 433-434 MHz programmable by the user • Average range in typical industrial environment : 200 m	• Permanent radio link • 64 frequencies in 433-434 MHz programmable by the user • Average range in typical industrial environment : 150 m
Safety	• Safety stop function (category 3) as defined by EN 954-1 (active and passive priority stop functions controlling two common safety relays with guided contacts, redundant processing signal by two microprocessors, continuous monitoring of safety-relay status) • Safety function control of starting of remote controlled equipment, with optional infrared start-up	• Radio emergency stop ensuring a safety level according to IEC 62061 • Safety function control of starting of remote controlled equipment, with optional infrared start-up • Electronic key ensuring equipment is only used by authorized operator • Transmitter presence detection on charger
Ergonomics and characteristics	• Light-weight and ergonomic transmitters • Tightness IP65 • Plug-in accumulator pack	• Light-weight, ultracompact, ergonomic and sturdy transmitter • Transmitter tightness IP65 • Fixed accumulator
Versions and number of transmitter functions	**Each transmitter is entirely customisable to the application** • Available in 2 housing models : 2 or 3 manipulators • Manipulator type : Proportional or 1,2,3,4 steps • Additional button available : - 1 transmitter «On/Off» switch - 1 «On/Horn» selector - 1 stop palmswitch • 4 to 8 auxiliary buttons available of type : - 1-step pushbutton , - selector with 2 or 3 fixed positions, - selector with 3 positions with auto-return • 0 to 2 rotary switches available of type : - 10 positions, - 2 positions with metal key	• Available in : **6 button version :** 4 function buttons + 1 «On / Horn» button + 1 stop palmswitch • Button type available : - One-step pushbutton - Two-step pushbutton - Rotary switch with 2 fixed positions - Rotary switch with 3 fixed positions - Rotary switch with 3 positions with automatic return
Versions and number of receiver functions	• Available in different versions : - 21 functions relays - 25 functions relays - 17 functions relays + 6 analogue outputs - 20 functions relays + 3 analogue outputs • Number of additional outputs : 3	• 100 mA solid state outputs • Number of output functions : 6 • 2 safety relays with 3 NO contacts
Technical data sheet number : to be requested for more information	**E840**	**E800**

RADIOSAFE Series

Radio validation handle
with optional infrared start-up

ISIS Series

Radio logic state transfers

Applications

Principle

- Permanent radio link
- 64 frequencies in 433-434 MHz programmable by the user
- Average range in typical industrial environment : 200 m

- A 3-position trigger, ensuring a safety level according to IEC 62061
- Safety function control of starting of remote controlled equipment, with optional infrared start-up
- Customisation fully stored in a SIM card
- A LCD backlighted display, configurable in accordance with the applications (with customisation of identification of functions by pictograms)
- Transmitter presence detection on charger without contact (infrared)
- Battery charging without contact (induction)

- Light-weight, ergonomic and sturdy handle
- Handle tightness IP65
- Fixed accumulator

- Available in 4 button version, with 2 operating modes :

  «4 function buttons» mode

  or

  « function selection » mode, the handle ensures different sequential controls (up to 4 selections of 2 commands)

- 100 mA solid state outputs

- Number of output functions : 6

- 2 safety relays with 3 NO contacts

Principle

- The need for cables is eliminated through the use of radio I/O transfer.
  The logic information at the transmitter inputs is transferred by radio and copied on the receiver outputs.

- All configurations for complex applications are easily programmed using microswitches located inside the unit.

Technical characteristics

- 18 frequencies in 433-434 MHz programmable by the installer

- Range in unobstructed area : 200 m or 350 m (according to the selected transmit power)

- 2 emitting modes : «intermittent» or «permanent» programmable by the installer

- 2 emitting power : 1 mw or 10 mW programmable by the installer

- «Plug and play» for common applications or entirely programmable for complex applications or specific needs.

- Diagnostic receiver output : ««Radio quality»

- **Transmitter :**

  Housing : IP65, available fastening by magnetic contacts

  Inputs : 8 logical inputs ALL or NOTHING (AON)

  Power supply : 9 to 30 VDC

  Indicator lights :
  - 1 per input status
  - 1 radio
  - 1 power supply

- **Receivers :**

  Housing (2 available models) : IP65, available fastening by magnetic contacts

  Function outputs : 4 or 8 relays (according receiver model)

  Auxiliary output : 1 for the «Radio quality» relay

  Power supply : 12-24VDC and 24-48VAC (according receiver model)

E690

Data sheet number :
to be requested for more information

E830

A world-wide presence :

A proximity service :

- Advice and recommendations
- Technical assistance for installation and use
- Trainings
- Maintenance, diagnostics and repairs
- On-site interventions

A constantly evolving product offer :

- Technological innovations
- New functions
- Adaptations
- Special developments
- New accessories

Internet site :

To keep you informed on the last news concerning our products, trade fair exhibits, and access to our documentations, visit our Internet site at :

www.jay-electronique.fr

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