E-CHRONOS
radio controls

CATALOG

> One of the Best Range in the market of safety remote control, feedback included.

E-Chronos industrial remote control,
the modern way to control your machine.

Transmitters

Receivers

Accessories

WHO ARE WE?

CONTROLLING YOU SAFELY

E-Chronos is a Swiss Company developing and producing Radio Remote Controls for industrial application. It's made by a great experience crew with a very long technical and high quality background.

Safety, precision, sturdness, high technology, advanced software configuration and reliability are only few of the features that make this product a true excellence in the telecommunications sector applied to the industry.

E-CHRONOS

We are a team of passionate people whose goal is to ease integrating a safety remote control on your machine.

PROCESS

Switzerland is a very famous country all over the world for the very high quality and precision of its watches production.

E-Chronos name wanted to remember from where we're coming, Cronos was the personification of time in Greek mythology

It's the first time that a crew of high level Swiss engineers are designing something extremely new in the sector of the industrial controls and telecommunication. Thanks to a mix of them together to a big experienced people coming from France, Italy and Germany, was possible to create a work team with a lot of new ideas to improve the Radio Remote Control philosophy.

When we think to Radio Controls producers, we always think to the same companies existing for a long time. Something is slowly but surely changing from now, E-Chronos is another brand new way and idea to say Radio Remote Controls.

OUR TRANSMITTERS

LONG RANGE

Originally intended for forestry applications, our radio link is among the most powerful on the market, including feedback.

ROBUSTNESS / RELIABILITY

Careful selection of the supply chain and our partners in all aspects.

LIGHTWEIGHT / COMPACT

Central point to the development of our models, for the comfort of users. A maximum of functions in a minimum of volume.

CUSTOMIZATION

Easily configurable by the customer, you have access to our software allowing high customization of automation and security.

ERGONOMICS / DESIGN

Our products are internally designed and guided by our customers.

EXPERIENCE

E-Chronos relies on a network of experienced partners in various sectors

Push Vision

PRODUCT

The Push Vision is a transmitter that can control different machines. It is also fully customisable if you want options other than our catalogue models.

COMPATIBILITY

All E-Chronos Push Vision transmitters are compatible with E-Chronos receivers. If physical receiver needed, make sure you have enough output and pins on the receiver.

EQUIPMENT

All E-Chronos Push Vision transmitters are equipped with emergency stop button. Toggles Switchies are ON-OFF-ON. Joysticks are proportionals.

DIMENSION

- **Length** : 181 millimeters.
- **Width** : 102 millimeters.
- **Height** : 65 millimeters.

BATTERY

- **Voltage** : 3,7V lithium
- **Autonomy** : > 30h, > 9h with screen

WEIGHT

- **Weight** : 550g.

MANDATORY ACCESSORIES

- **Additional battery pack**

a Battery Kit (2x battery + charger)

- **Carrying case**

b E-Chornos carrying-case

c Neck Belt

FAST DELIVERY

PUSH VISION A-E-F-Ø-L

PUSH VISION B-D-G-T-L

PUSH VISION C-D-F-T-L

ALL TRANSMITTERS ARE CUSTOMISABLE

ADDING BUTTONS

CREATION OF CUSTOM STICKERS

CASE COLOUR

OPTIONS AVAILABLE ON REQUEST

1 FUNCTION

A

10 single step button

B

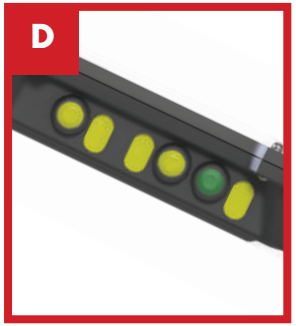
10 double step button

C

8 push buttons - 1.8" black and white screen

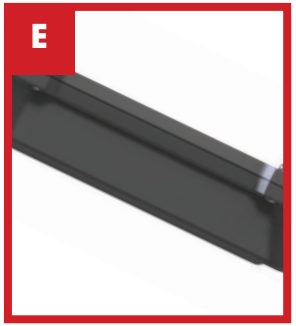
2 LATERAL BUTTON

D



With button

E



Without button

3 STICKER

F

Numerical sticker

G

Arrow color sticker

4 START BUTTON

Ø

Button

T

Toggle
1 / 1+2 / 2

5 FREQUENCY

L
868 mhz

H
920 mhz

PUSH VISION
CODIFICATION / REFERENCE

1	A	B	C
2	D	E	
3	F	G	
4	Ø	T	
5	L	H	

To compose your Push Vision transmitter, select one choice per line. Example: A-F-T-H

CONFIGURE YOUR PUSH VISION TRANSMITTER

Push Vision

Firefly

PRODUCT

The Firefly is a transmitter that can control different machines. It is also fully customisable if you want options other than our catalogue models.

COMPATIBILITY

All E-Chronos Firefly transmitters are compatible with E-Chronos receivers. If physical receiver needed, make sure you have enough output and pins on the receiver.

EQUIPMENT

All E-Chronos Firefly transmitters are equipped with emergency stop button:
- Toggles Switchies are Momentary - OFF - Momentary.
- Joysticks are proportionals.

DIMENSION

- **Length** : 181 millimeters.
- **Width** : 102 millimeters.
- **Height** : 65 millimeters.

BATTERY

- **Voltage** : 3,7V lithium
- **Autonomy** : > 30h

WEIGHT

- **Weight** : 550g.

MANDATORY ACCESSORIES

- **Additional battery pack**

a Battery Kit (2x battery + AC/DC charger)

- **Carrying case**

c Neck Belt

FAST DELIVERY

FIREFLY A-E-T-L

FIREFLY B-E-T-L

ALL TRANSMITTERS ARE CUSTOMISABLE

ADDING BUTTONS

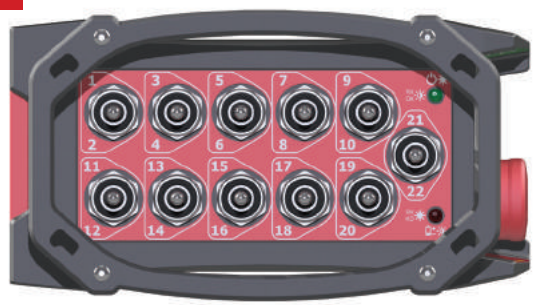
CREATION OF CUSTOM STICKERS

CASE COLOUR

OPTIONS AVAILABLE ON REQUEST

1 FUNCTION

A



11 toggles switch

B

7 toggles switch

C

8 toggles switch - 1 joystick

D

2 Joysticks + 5 Toggles

2 STICKER

E

Numerical sticker

F

No sticker

3 START BUTTON

Ø

Button

T

Toggle

4 FREQUENCY

L
868 mhz

H
920 mhz

FIREFLY

CODIFICATION / REFERENCE

1	A	B	C	D
2	E	F		
3	Ø	T		
4	L	H		

To compose your Firefly transmitter, select one choice per line. Example: A-E-Ø-L

CONFIGURE YOUR FIREFLY TRANSMITTER

Firefly

M-fly

PRODUCT

The M-fly is a two-handed transmitter that can control different machines. It is also fully customisable if you want options other than our catalogue models.

COMPATIBILITY

All E-Chronos M-Fly transmitters are compatible with E-Chronos receivers.

EQUIPMENT

All E-Chronos M-Fly transmitters are equipped with emergency stop button.

DIMENSION

- **Length** : 215 millimeters.
- **Width** : 141 millimeters.
- **Height** : 143 millimeters.

BATTERY

- **Voltage** : 3.7V lithium
- **Autonomy** : > 30h, > 9h with screen

WEIGHT

- **Weight** : 700g.

MANDATORY ACCESSORIES

- **Additional battery pack**

a Battery Kit (2x battery + charger)

- **Carrying case**

c Neck Belt

d Pictogram sticker sold separately

e Ultra long range, patch antenna

FAST DELIVERY

M-FLY A-D-P-R-L

M-FLY A-F-Q-R-L

M-FLY Cc-E-Q-R-L

ALL TRANSMITTERS ARE CUSTOMISABLE

ADDING BUTTONS

CREATION OF CUSTOM STICKERS

CASE COLOUR

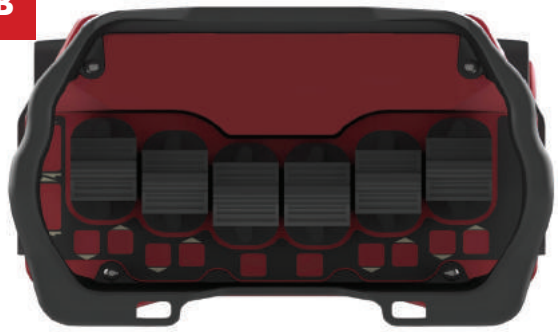
OPTIONS AVAILABLE ON REQUEST

1 MAIN SIDE

A

4 Joysticks linear

B



6 Joysticks linear

C

2 directional Joysticks

- **a** — 2x 2 analog joysticks
- **b** — 2x 2-2 digital steps
- **c** — 1x 3-4 digital steps (left)
1x 1-4 digital steps (right)

2 TOP SIDE

D

1 Start + 2 MOM

E

1 Start + 1 ON/ON
+ 1 MOM

F

4 pushs + 2.6" color screen + 1 Start (Left)

3 RIGHT SIDE

P

nothing

Q

2 toggles
+ 2 pushs

4 LEFT SIDE

R

nothing

S

2 toggles
+ 2 pushs

5 FREQUENCY

L	H
868 mhz	920 mhz

M-FLY

CODIFICATION / REFERENCE

1	A	B	Ca	Cb	Cc
2	D	E	F		
3	P	Q			
4	R	S			
5	L	H			

To compose your M-Fly transmitter, select one choice per line. Example: A-D-P-S-H

CONFIGURE YOUR M-FLY TRANSMITTER

X-fly

PRODUCT

The X-fly is a two-handed transmitter that can control different machines. It is also fully customisable if you want options other than our catalogue models.

COMPATIBILITY

All E-Chronos X-Fly transmitters are compatible with E-Chronos receivers.

EQUIPMENT

All E-Chronos X-Fly transmitters are equipped with emergency stop button.

DIMENSION

- **Length** : 275 millimeters.
- **Width** : 175 millimeters.
- **Height** : 143 millimeters.

BATTERY

- **Voltage** : 3.7V lithium
- **Autonomy** : > 30h, > 9h with screen

WEIGHT

- **Weight** : 750g.

MANDATORY ACCESSORIES

- **Additional battery pack**

a Battery Kit (2x battery + charger)

- **Carrying case**

c Neck Belt
d Pictogram sticker sold separately
e Ultra long range, patch antenna

FAST DELIVERY

X-FLY A-E-P-R-L

X-FLY A-G-Q-R-L

X-FLY D-E-P-R-L

ALL TRANSMITTERS ARE CUSTOMISABLE

ADDING BUTTONS

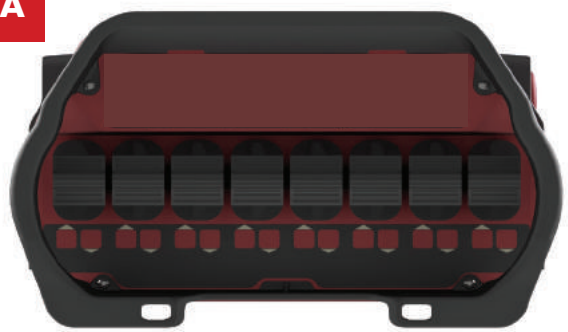
CREATION OF CUSTOM STICKERS

CASE COLOUR

OPTIONS AVAILABLE ON REQUEST

1 MAIN SIDE

A



8 linear joystick

B

6 linear joystick

C

2x3 axis joystick

D

3x2 axis joystick

2 TOP SIDE

E

1 ON-ON / 3 MOM / 1 push

F

1 Pot / 3 MOM / 1 Push

G

1 screen + 6 pushs + 1 Start (Left)

3 RIGHT SIDE

P

nothing

Q

2 toggles + 2 pushs

4 LEFT SIDE

R

nothing

S

2 toggles + 2 pushs

5 FREQUENCY

L	H
868 mhz	920 mhz

X-FLY

CODIFICATION / REFERENCE

1	A	B	C	D
2	E	F	G	
3	P	Q		
4	R	S		
5	L	H		

To compose your X-Fly transmitter, select one choice per line. Example: A-G-P-S-H

CONFIGURE YOUR X-FLY TRANSMITTER

OUR RECEIVERS

35C15

RXps

PRODUCT

The smallest receiver of E-Chronos RXps can handle CAN and up to 16 physical output. It's the cost effective solution for CAN or limited functions on a application.

COMPATIBILITY

All E-Chronos RXps receivers are compatible with E-Chronos transmitters.

EQUIPMENT

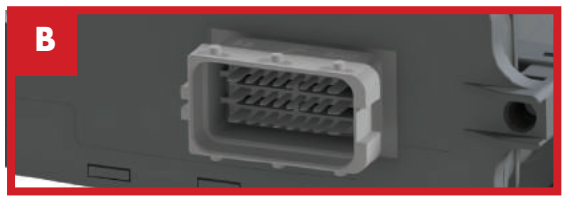
The new born RXps includes a 2x7 digit to ease diagnostic in the fields.

1 CONNECTOR

A

Amphénol 7 pol

B



Sicma 24 pol

2 BUTTONS

Ø

without button

T

Manual / OFF / Radio

3 ANTENNA

U

Internal antenna
(short range, no metal box)

V

Antenna
(Long range or RXm in metal box + antenna extension)

4 CARDS

1
CAN (DC)

2
16 Dig (DC)

5 FREQUENCY

L
868 mhz

H
920 mhz

ADAPTABILITY

Based on the motherboard selection, you can :

- **DC card :**
  Max current 3A, **1** , **2** up to 8 + 4x2 PWM Hbridge channel output which. 2 digital output can have a different potential.

- **Main contact** : 12A, replaceable protection fuse.

- **canOPEN protocol** : Activated with the dipswitches on the receiver boards.

DIMENSION

- **Length** : 161 millimeters.
- **Width** : 116 millimeters.
- **Height** : 64 millimeters.

USB

USB port to download custom software created with EDrop, USB-C connector.

SECURITY

Safety circuit with two emergency relays, PLe category 3.

ACCESSORY COMPATIBLE WITH TNC CONNECTOR

r1 868-915 MHz long range, λ/2, 210mm

- **Antenna extension TNC :**

u1	1 m	**u3**	3 m	**u6**	6 m
u10	10 m	**e20**	20 m	**u25**	25 m

OPTIONAL ACCESSORIES

- **Choc abpsorber :**

s1 4x Rubber MM with 2x screws
s2 4x Rubber FF with 2x nuts
s3 4x Rubber MF with 1 screw + 1 nut

- **Connector Kit :**

k1 Counter Plug
k2 Cable Counter Plug (3 meters)

FAST DELIVERY

RXps B-T-U-2-L

RXps B-Ø-V-1-L

RXps
CODIFICATION / REFERENCE

1	**A**	**B**
2	**Ø**	**T**
3	**U**	**V**
4	**1**	**2**
5	**L**	**H**

To compose your RXps receiver, select one choice per line. Example: B-T-U-2-H

CONFIGURE YOUR RXPS RECEIVER

RXm

PRODUCT

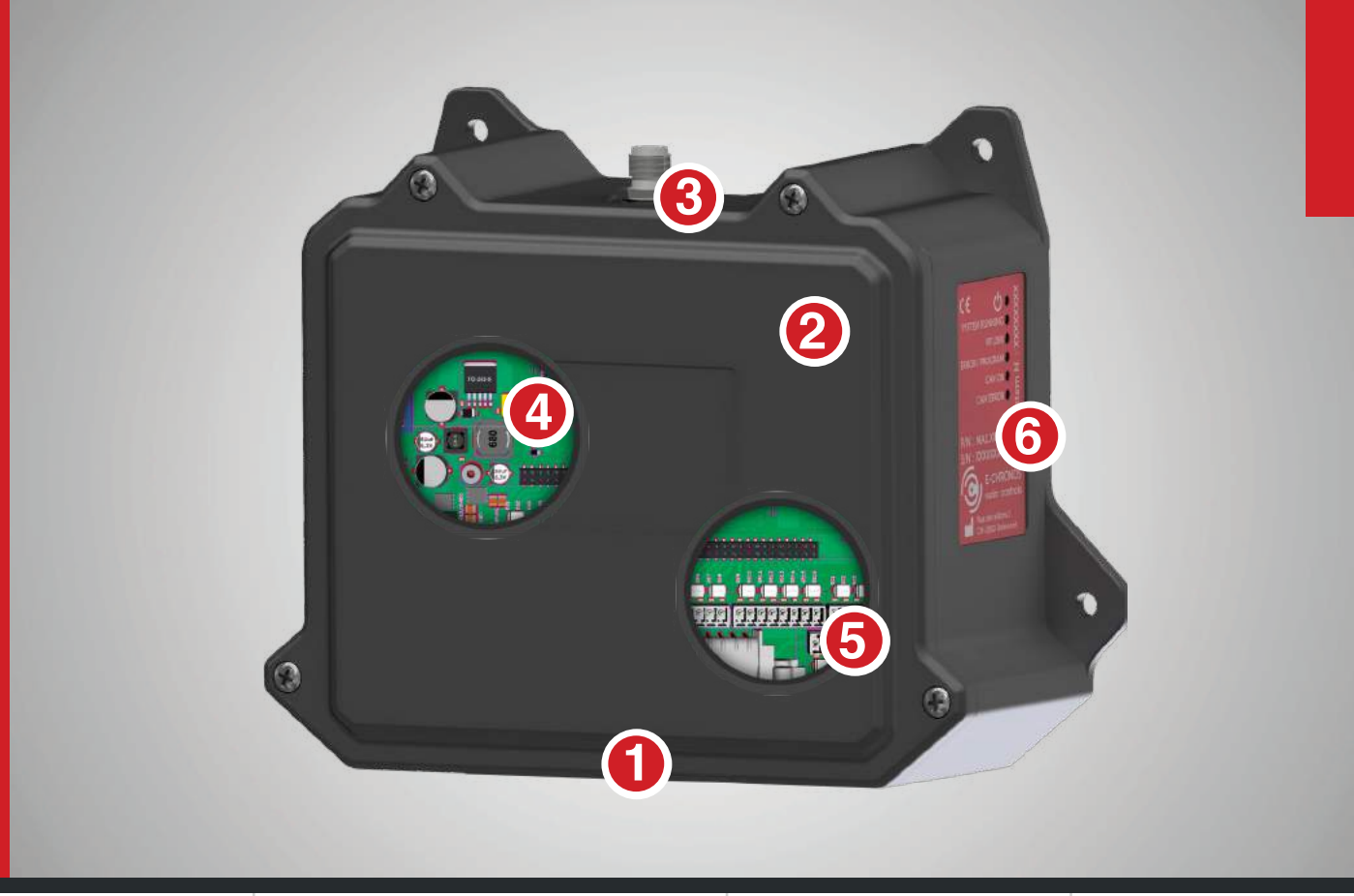
The RXm with its 2 families of electronic cards (AC and DC) and its 5 different connectors, chosen among the most used, allow a great variety of applications. It is suitable for mobile applications (12-24VDC) or static applications (24-48-230VAC).

COMPATIBILITY

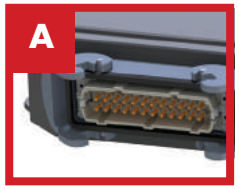
All E-Chronos RXm receivers are compatible with E-Chronos transmitters.

EQUIPMENT

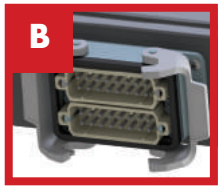
All E-Chronos RXm receivers are equipped with LEDs for immediate diagnosis of operation.



1 CONNECTOR



24 pol



32 pol

AmpSeal 35 Pol

Press Tube
⌀ 1-17mm

2 BUTTONS

without button

Manual/Radio
Toggle + EStop

3 ANTENNA

Internal antenna
(short range, no metal box)

Antenna
(Long range or RXm in metal box + antenna extension)

4 CARDS

19 relays output

23 relays output

DIGITAL PROGRAMMATION

8dig + 4 prop

8dig + 6 prop

8dig + 8 prop

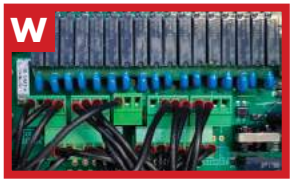
PROPORTIONAL SOFTWARE

a — PWM-dig

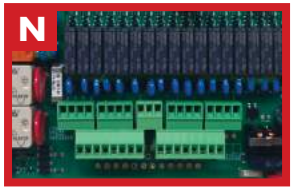
b — Danfoss

c — 0-10V

5 INTERNAL WIRING



Wired



Not Wired

6 FREQUENCY

L — 868 mhz

H — 920 mhz

ADAPTABILITY

Depending on the selected motherboard you can have up to 24 outputs and 4 inputs.

- **AC card :**
  Maximum current 5A : **1** (19 relay outputs) or **2** (23 relay outputs), 4 digital inputs.

- **DC card :**
  Maximum current 3A:

  4 8dig + 4x2 proproportional channels;

  6 8dig + 6x2 proproportional channels;

  8 8dig + 8x2 proproportional channels;

  which can be transformed into :

  a PWM-Dig

  b Danfoss (25%, 50%, 75%)

  c 0-10V

  with different software. Within 4 inputs (dig, 0-30V, 0-20mA).

- **Main contact** : 12A, replaceable protection fuse.

- **canOPEN protocol** : Activated with the dipswitches on the receiver boards.

DIMENSION

- **Length** : 233 millimeters.
- **Width** : 176 millimeters.
- **Height** : 80 millimeters.

USB

USB port to download custom software created with EDrop. USB-C connector.

SECURITY

Safety circuit with two emergency relays, PLe category 3.

ACCESSORY COMPATIBLE WITH TNC CONNECTOR

r1 868-915 MHz long range, λ/2, 210mm

- **Antenna extension TNC :**

u1 1 m **u3** 3 m **u6** 6 m

u10 10 m **e20** 20 m **u25** 25 m

OPTIONAL ACCESSORIES

- **Choc abpsorber :**

s1 4x Rubber MM with 2x screws

s2 4x Rubber FF with 2x nuts

s3 4x Rubber MF with 1 screw + 1 nut

- **Connector Kit :**

k1 Counter Plug

k2 Cable Counter Plug (3 meters)

FAST DELIVERY

RXm D-Ø-V-23-N-L

RXm C-Ø-V-4a-W-L

RXm C-Ø-V-6a-W-L

RXm C-Ø-V-8a-W-L

RXm

CODIFICATION / REFERENCE

1	**A**	**B**	**C**	**D**
2	**Ø**	**T**		
3	**U**	**V**		
4	**19**	**23**	**4a**	**4b**
	4c	**6a**	**6b**	**6c**
	8a	**8b**	**8c**	
5	**W**	**N**		
6	**L**	**H**		

To compose your RXm receiver, select one choice per line. Example: A-T-U-8c-W-H

CONFIGURE YOUR RXM RECEIVER

RXt

PRODUCT

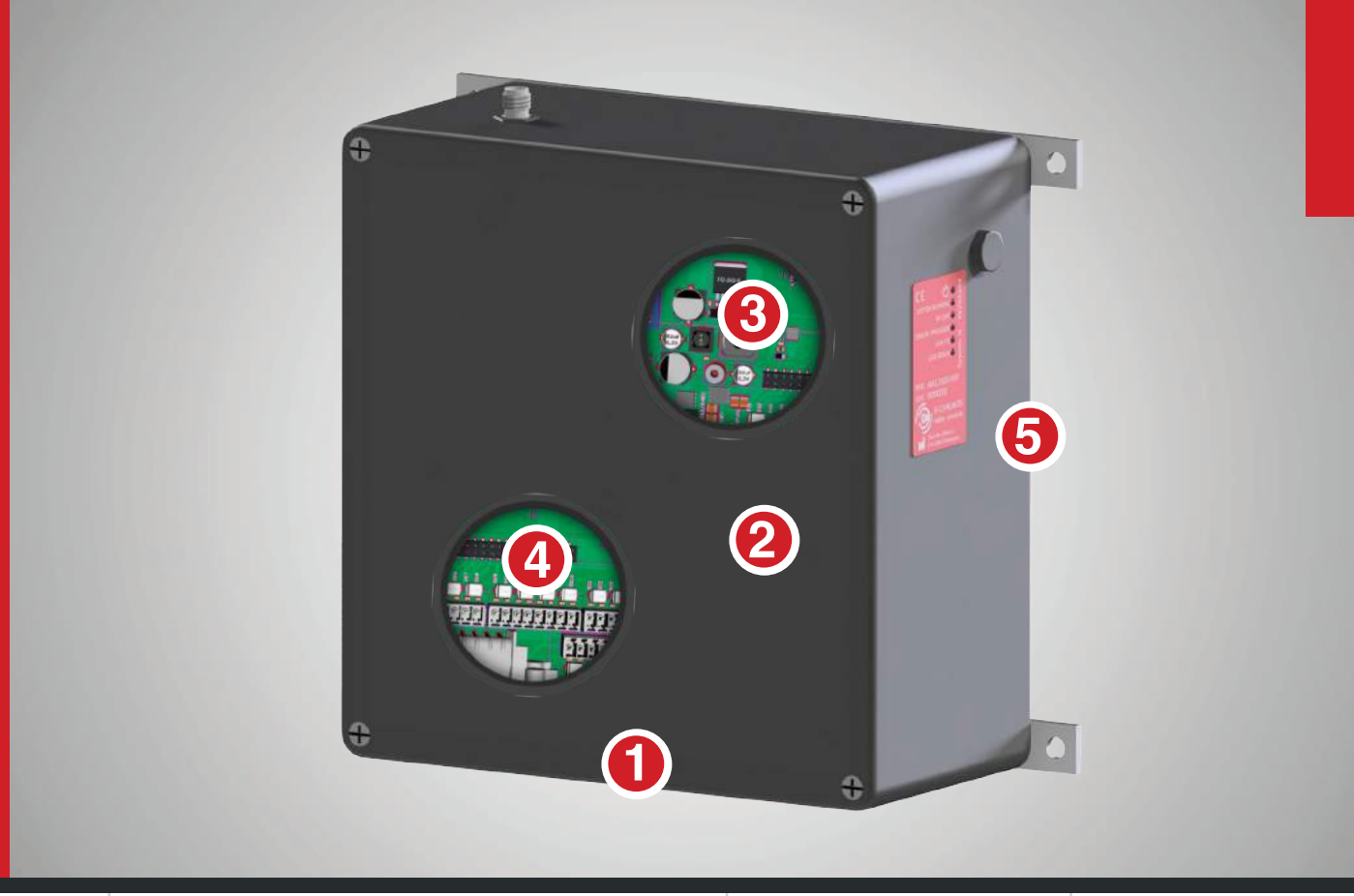
The RXt can handle 2 RXm product. Motherboard can be connected together to be a bigger receiver and handle up to 48 output and 8 inputs. As the RXm, it can be AC or DC, respectively relay or transistor or be a mix of both types.

COMPATIBILITY

All E-Chronos RXt receivers are compatible with E-Chronos transmitters.

EQUIPMENT

All E-Chronos RXt receivers are equipped with LEDs for immediate diagnosis of operation.



1 CONNECTOR

64 pol

No connector

2 BUTTONS

without button

Manual/Radio Toggle + EStop

3 CARDS

1
2xk19 (AC)

DIGITAL PROGRAMMATION

8
2xMU + 8xPWM (DC)

12
2xMU + 12xPWM (DC)

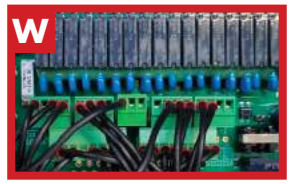
16
2xMU + 16xPWM (DC)

3
1xK19+MU2-8PWM (AC + DC)

PROPORTIONAL SOFTWARE

- **a** — **PWM-dig**
- **b** — **Danfoss**
- **c** — **0-10V**

4 INTERNAL WIRING



Wired

Not Wired

5 FREQUENCY

L
868 mhz

H
920 mhz

ADAPTABILITY

Based on the motherboard selection, you can :

- **AC card :**
  Maximum current 5A : **1** up to 38 relays outputs and 8 digitales inputs. Up to 8 different potential.

- **DC card :**
  Maximum current 3A:
  8 16 digit + 8x2 proportional channel;
  12 16 digit + 12x2 proportional channel;
  16 16 digit + 16x2 proportional channel;

  which can be transformed into :
  - **a** PWM-Dig
  - **b** Danfoss (25%, 50%, 75%)
  - **c** 0-10V

- **AC and DC :**
  3 19x5A relay output + 8x3A transistor output + 8x2 propotional channel output which mode can be change via software. Up to 5 different potential.

- **Main contact** : 12A, replaceable protection fuse.

- **canOPEN protocol** : Activated with the dipswitches on the receiver boards.

DIMENSION

- **Length** : 255 millimeters.
- **Width** : 250 millimeters.
- **Height** : 123 millimeters.

USB

USB port to download custom software created with EDrop. Micro-USB connector.

SECURITY

Safety circuit with two emergency relays, PLe category 3.

REQUIRED ACCESSORIES

- **Antenna choice :**

r1 868-915 MHz long range, λ/2, 210mm

OPTIONAL ACCESSORIES

- **Antenna extension TNC :**

u1 1 m **u3** 3 m **u6** 6 m
u10 10 m **u20** 20 m **u25** 25 m

- **Choc abpsorber :**

s1 4x Rubber MM with 2x screws
s2 4x Rubber FF with 2x nuts
s3 4x Rubber MF with 1 screw + 1 nut

- **Connector Kit :**

k1 Counter Plug
k2 Cable Counter Plug (3 meters)

FAST DELIVERY

RXt B-Ø-1-N-L

RXt B-Ø-16a-N-L

RXt
CODIFICATION / REFERENCE

1	**A**	**B**	**C**	**D**	
2	**Ø**	**T**			
3	**1**	**8a**	**8b**	**8c**	**12a**
	12b	**12c**	**16a**	**16b**	**16c**
	3a	**3b**	**3c**		
4	**W**	**N**			
5	**L**	**H**			

To compose your RXt receiver, select one choice per line. Example: A-T-12c-W-L

CONFIGURE YOUR RXT RECEIVER

OUR ACCESSORIES

35C15

Transmitter accessories

Additional battery pack

Charger

Adaptaters

2x battery

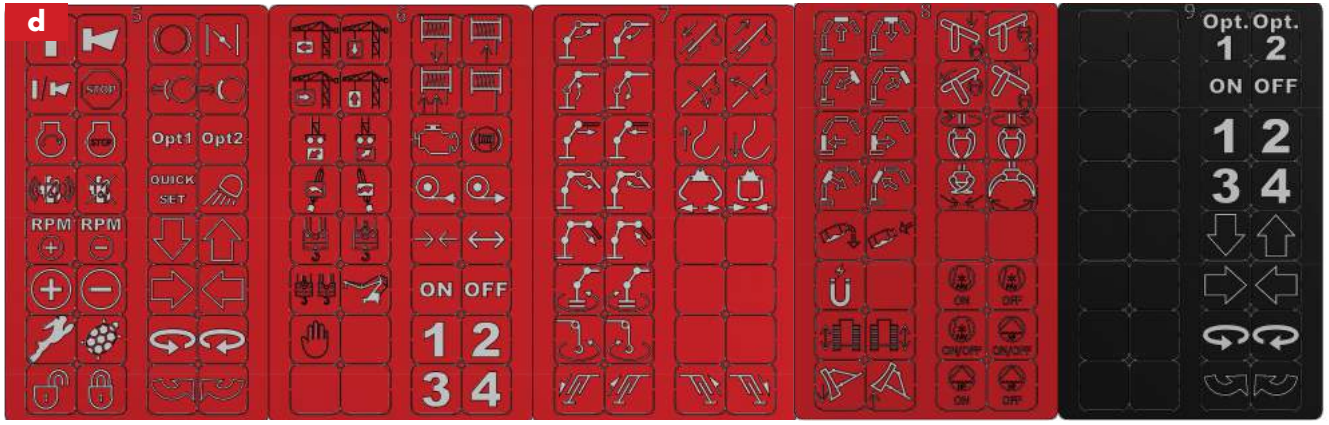
Carrying case

e-chronos carrying case

Neck Belt

e-chronos neck belt

Pictogram sticker



e-chronos Stickers

Ultra long range

Ultra long range, patch antenna

Receiver accessories

Antenna

868-915 MHz long range, λ/2, 210mm

Extension TNC :

u1	1 m	u3	3 m
u6	6 m	u10	10 m
u20	20 m	u25	25 m

Connector Kit

Counter Plug

Cable Counter Plug (3 meters)

Choc abpsorber

4x Rubber MM with 2x nuts

4x Rubber FF with 2x screws

4x Rubber MF with 1 screw + 1 nut

Notes

Notes

E-CHRONOS
radio controls

CONTACT US

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