

Promise to Customer

IXENGO L 230V + CB 230 RTS

Version 2

INTERNAL USE ONLY,

*For integration of Activity commitment in commercial
documentation*

2015
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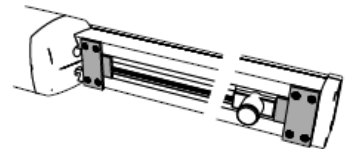
PROMISE TO CUSTOMER

Product designation : IXENGO L 230V + CB 230 RTS



Scope of application

- Type of Gates : Rigid Structure : Wood, Steel, Aluminium
PVC excluded



Without mechanical end limits

- Size / Weight of gate (pear leaf)

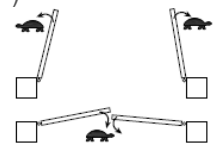
Overall	4m / 400kg
Details	4m & 170kg
	3m & 300kg
	2,6m & 400kg

notes : Electric lock recommended from 2m

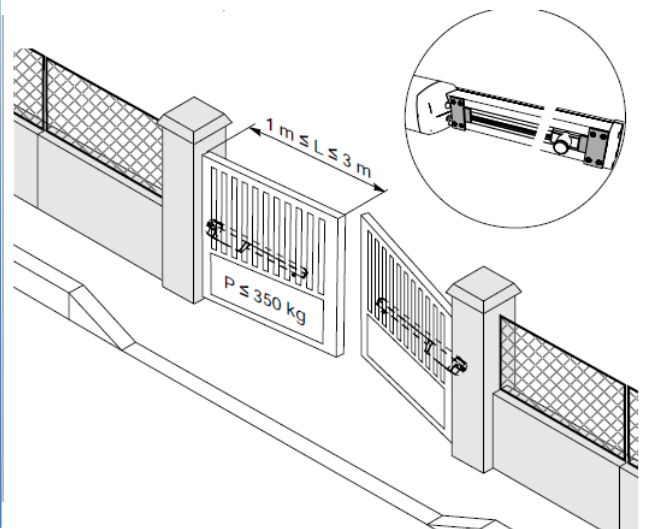
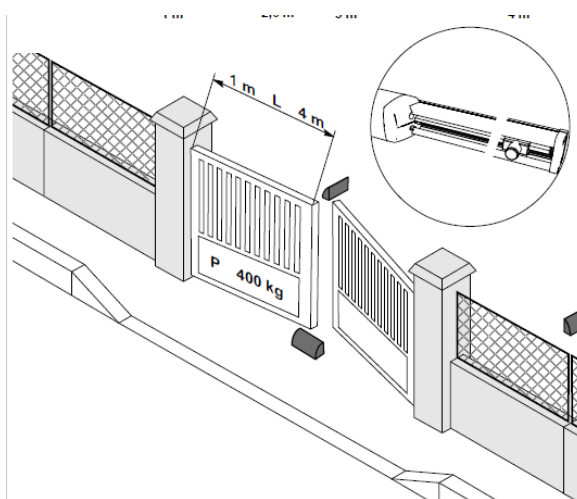
•With mechanical end limits(ref 9019745)

- Size / Weight of gate (pear leaf)

Overall	3m / 350kg
Details	3m & 90kg
	2m & 200kg
	1,5m & 350kg



notes : **mandatory** to put slow down speed



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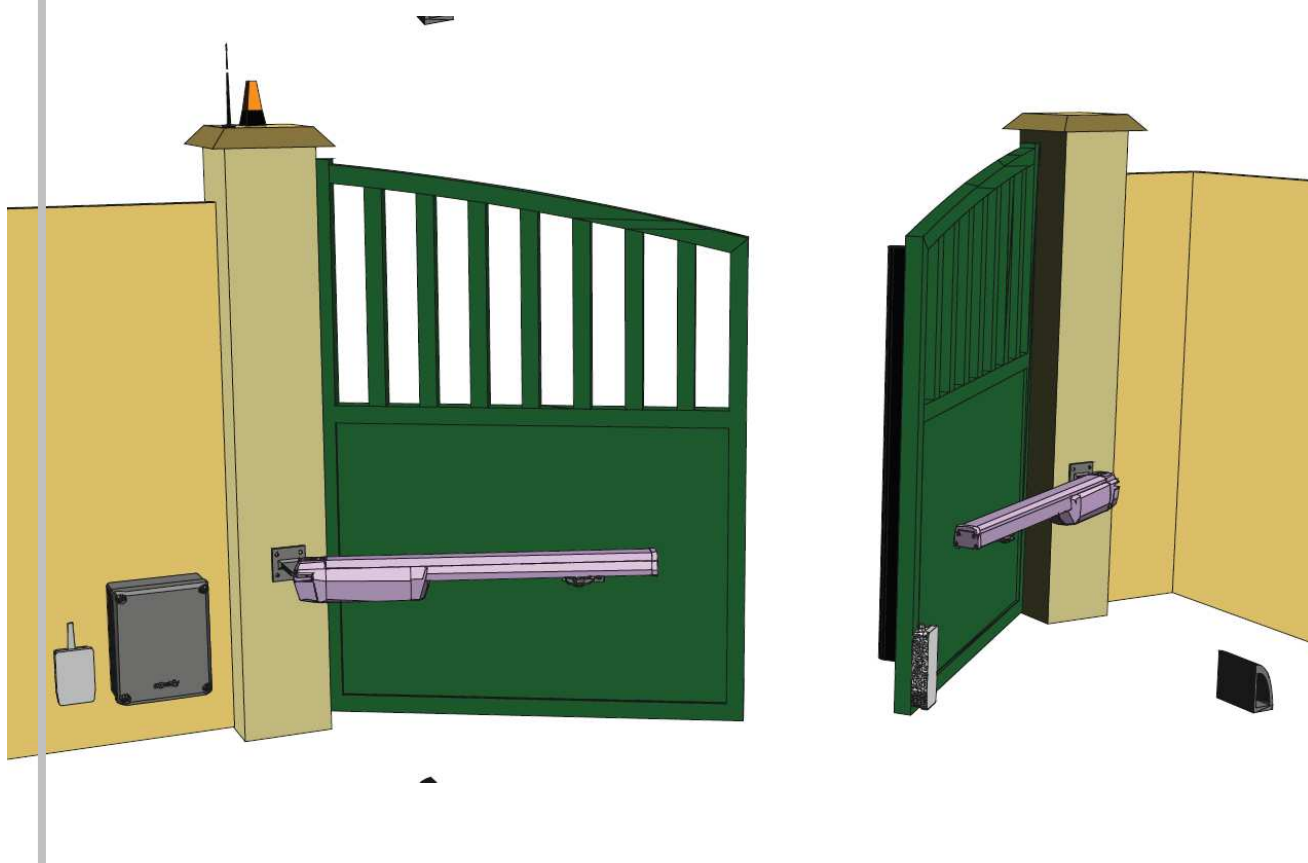
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Mandatory

To ensure compliance with the EC safety standard, it's mandatory to install a safety edge (Ref: 9019589) on the leaf which open first



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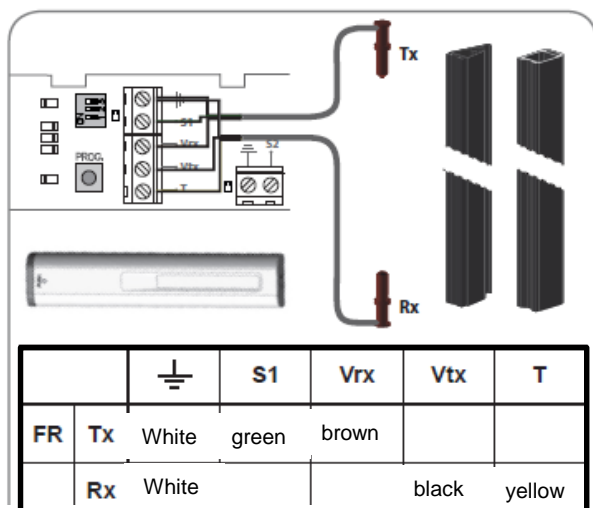
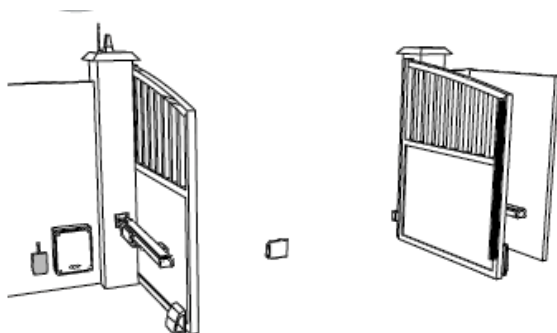
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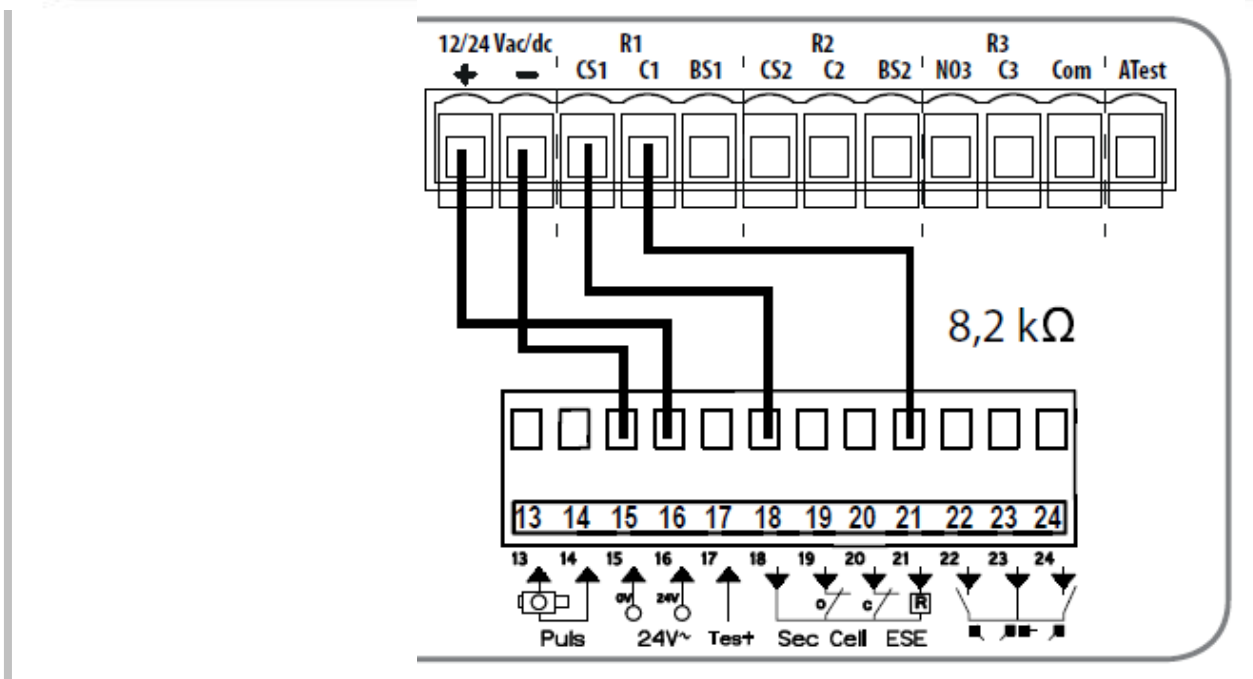
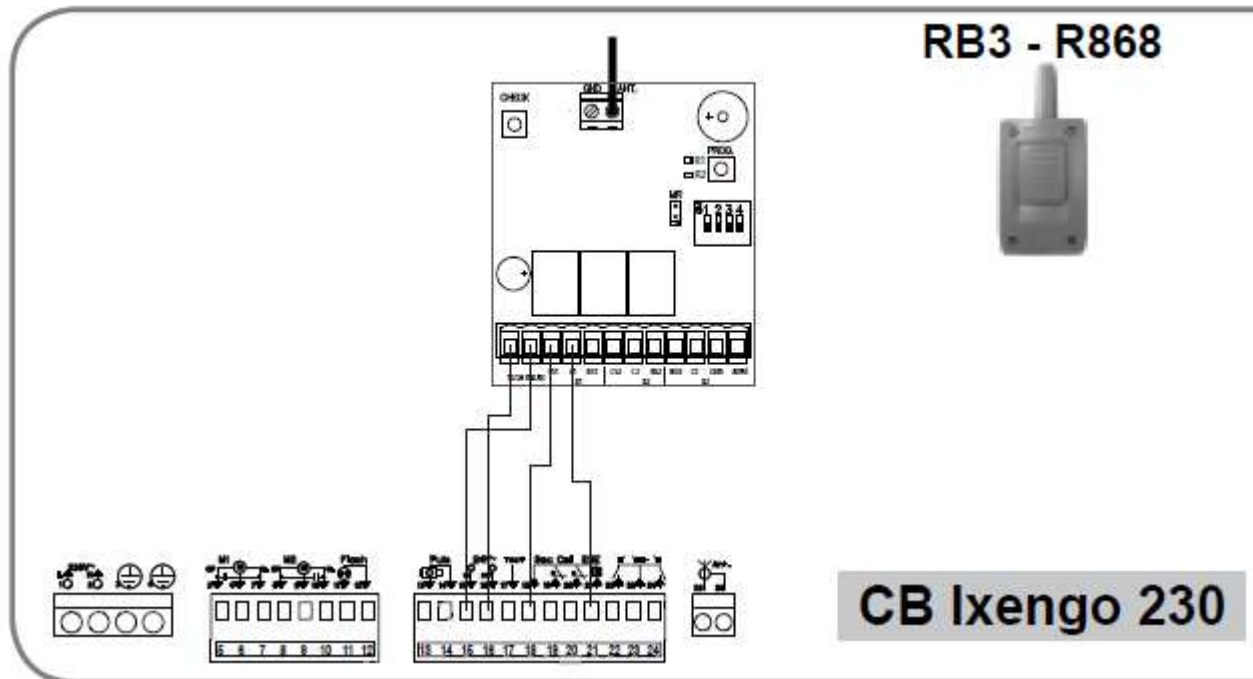
Connecting the radio safety edge transmitter



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Connecting the radio safety edge receiver



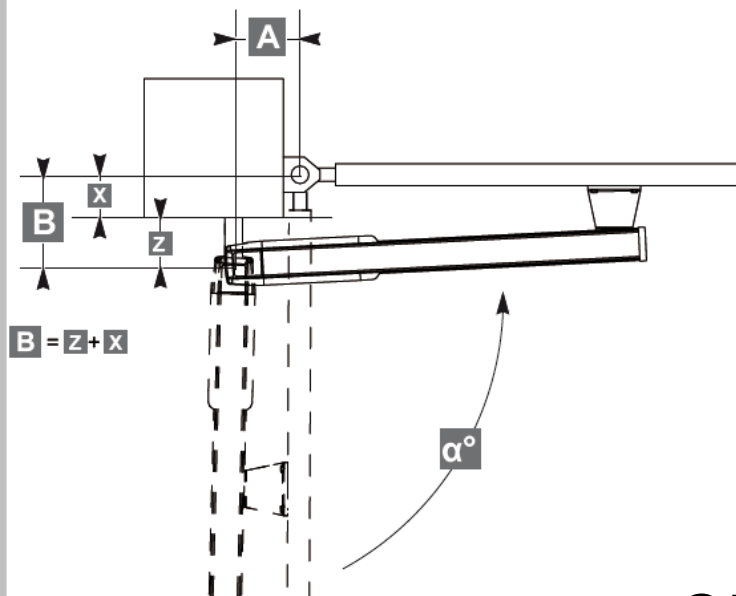
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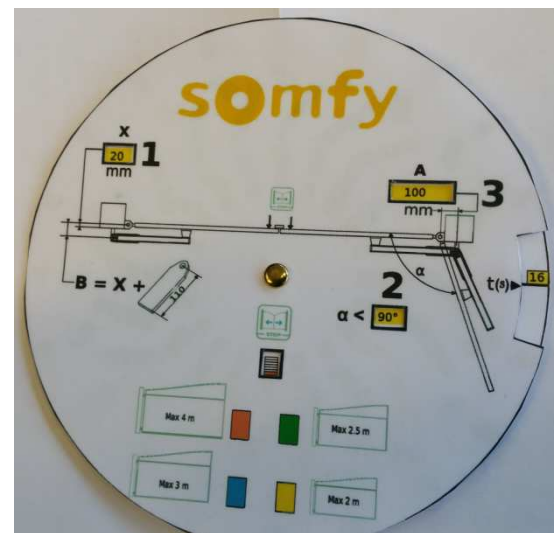
Product designation : IXENGO L 230V + CB 230 RTS

Scope of application: Inwards opening



OR

	X (mm)	B (mm)	A (mm)
$\alpha^\circ \leq 90^\circ$	20	130	$100 \leq A \leq 220$
	40	150	
	60	170	
	80	190	
	100	210	
	120	230	
$\alpha^\circ \leq 115^\circ$	140	250	$120 \leq A \leq 170$
	20	130	
	40	150	
	60	170	
$\alpha^\circ \leq 125^\circ$	80	190	$150 \leq A \leq 220$ $140 \leq A \leq 210$ $170 \leq A \leq 200$ 180
	100	210	
	120	230	
	140	250	



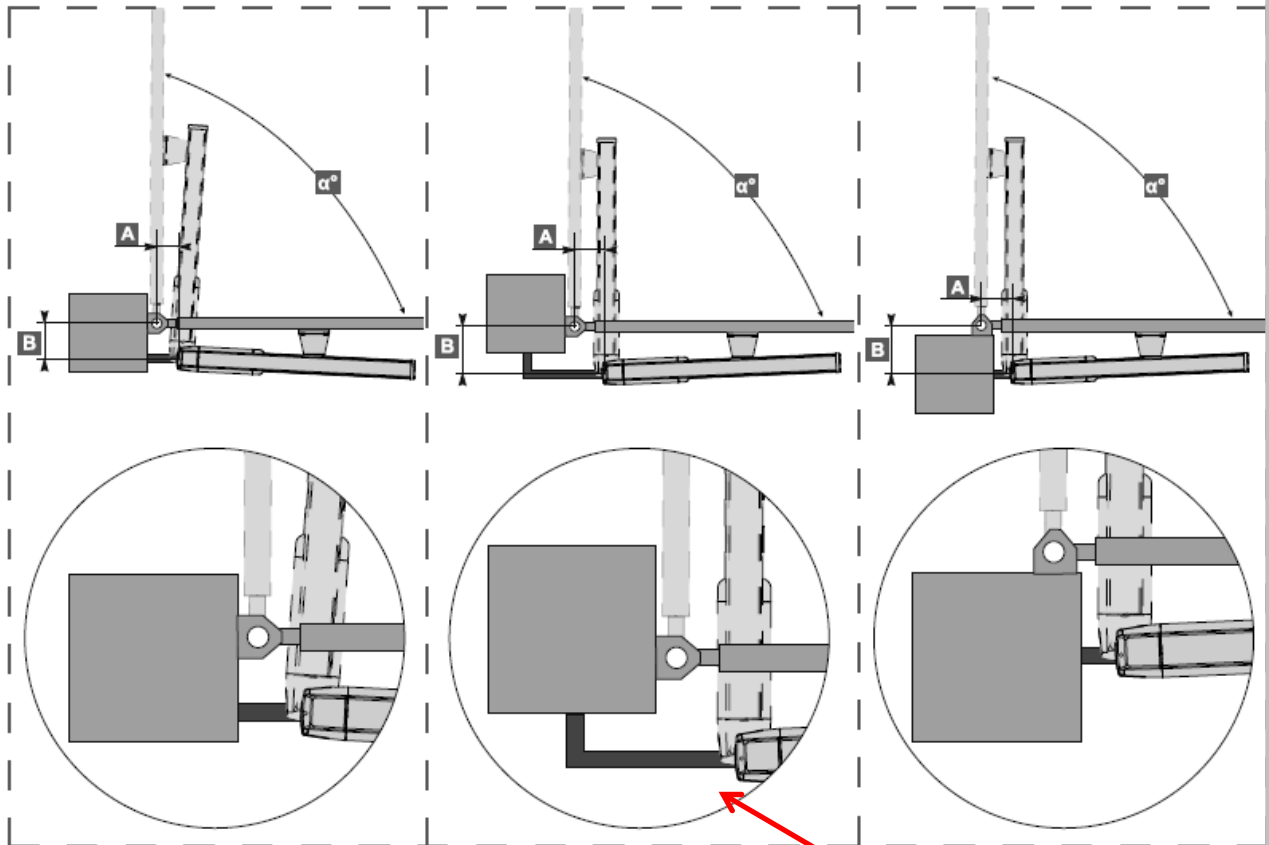
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Product designation : IXENGO L 230V + CB 230 RTS

Scope of application: outwards opening



	B (mm)	A (mm)
$\alpha \leq 90^\circ$	130	 $100 \leq A \leq 220$
	150	
	170	
	190	
	210	
	230	
250	 $100 \leq A \leq 220$	
		 $100 \leq A \leq 200$
		 $100 \leq A \leq 180$

No specific pillar bracket available : the installer shall make his own bracket

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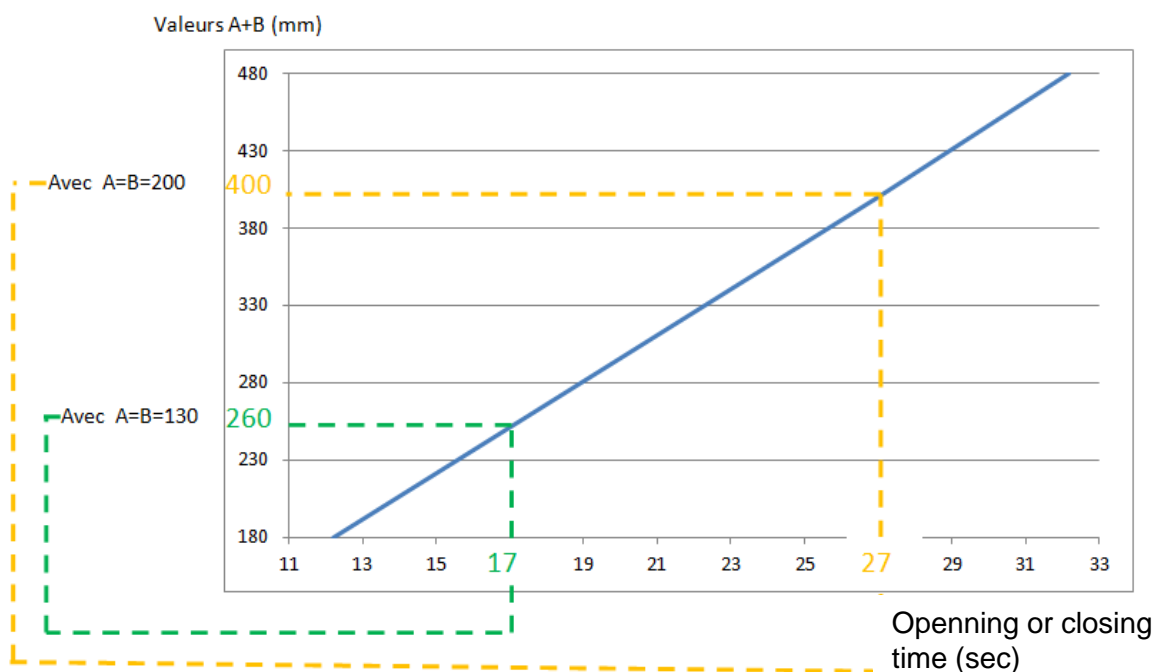
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Time to open or close the gate (90°)

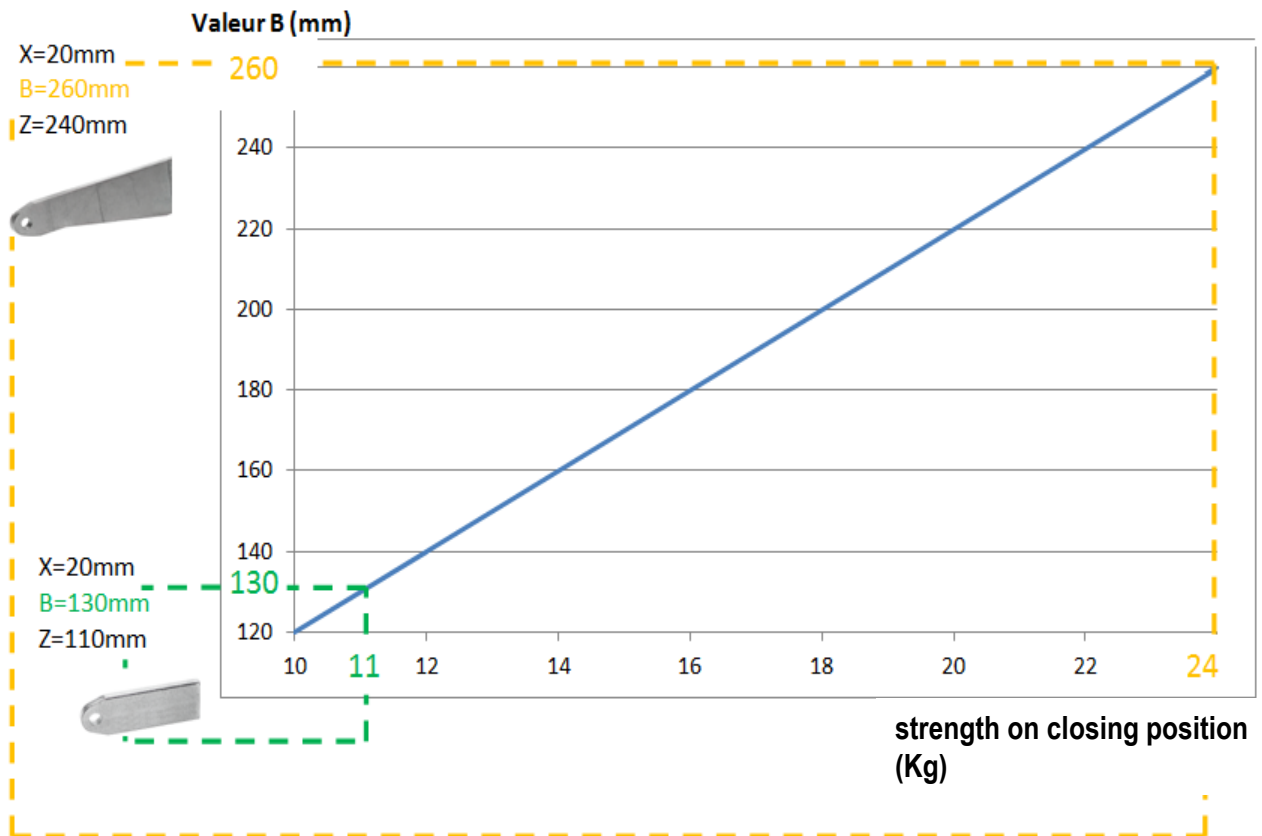
More A & B are big more the time for opening or closing is long



A+B must be always $< 480\text{mm}$

strength on closing position (Kg)

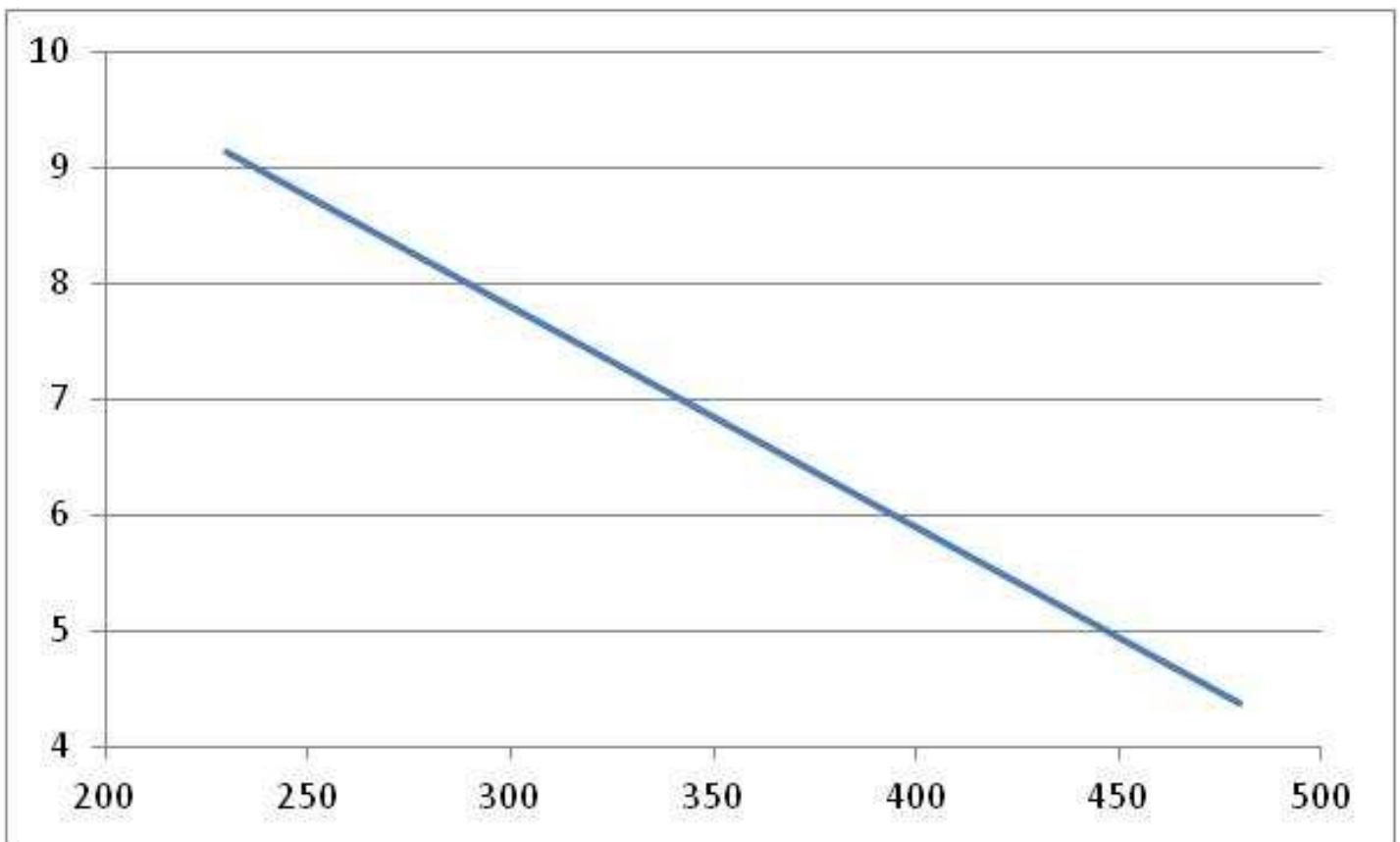
More B is big more the strenght on closing is high



**number of continuous cycles (at 20° C)
depending of the installation of the pillar bracket.**

More A & B are big more the number of continuous cycle is low

Nb of cycles

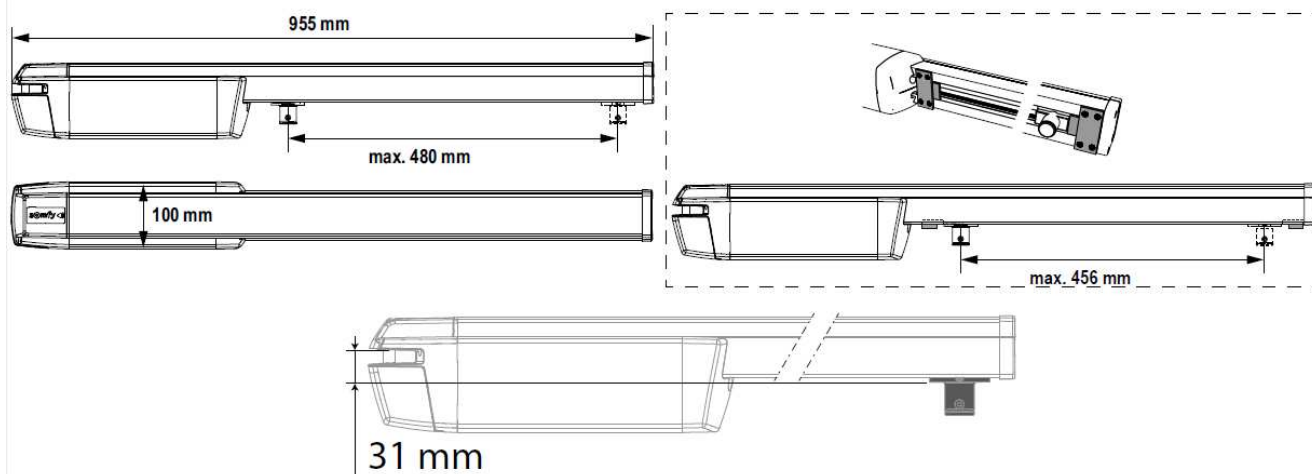


A+B (mm)

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→ Ixengo L 230 V



Technical data	
Power supply	190V=>255V 47Hz=>63Hz
Max power consumption	210W
Operating temperature	-20°C / +60°C - IP44
Rotation speed	3800tr/min
Power consumption	0,8A
Traction and pushing force	2000N

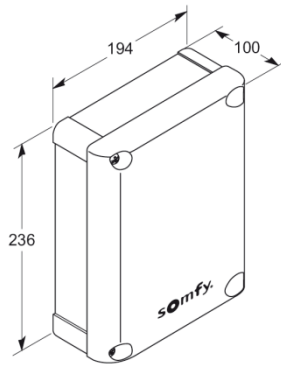
Working stroke	480 mm
Minimum distance behind the gate	160 mm
Maximum hinge offset	183 mm
Rod speed	17mm/s
Manual manoeuvring	individual key
Nb of manoeuvres in 24V	60
Nb of continuous cycles	7 cycles (20°C)
Time for opening or closing (90°C)	15s à 30s depending of the installation
Lubrication	Permanent grease

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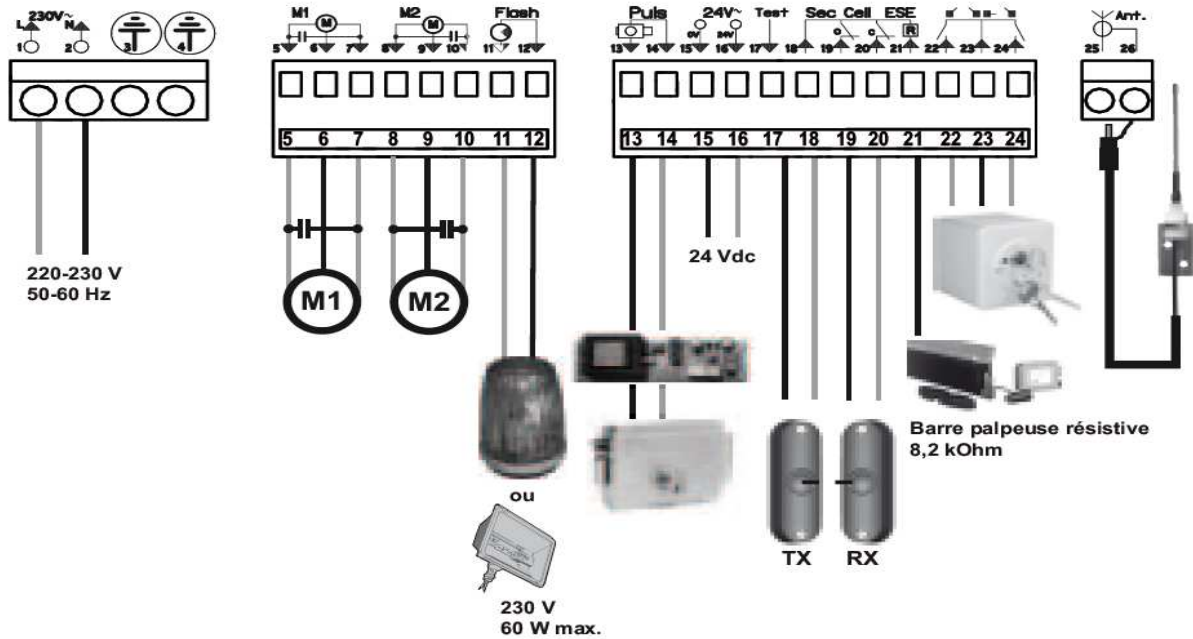
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CB 230



General specifications

Power supply	190V=>255V 47Hz=>63Hz
Max power consumption	max moteurs 520W
Climatic operating conditions	-20°C / +60°C - IP44
Somfy radio frequency	RTS 433,42MHz
Number of memorisable channels	128



Connections			
Terminals	Terminal indication	Connection	Comments
1	L	230V power supply	
2	N		
3-4		Earth	
5-6-7	M1	Motor 1	Motor which opens first
8-9-10	M2	Motor 2	Motor which opens second
11-12	Flash	230V orange light output	Flashing managed by the orange light
13-14	Puls	Module for electric lock	Output dry contact to be connect on electric module ref 9019552
15	0V	24V accessories power supply	315mA MAX for all accessories on all output
16	24V		
17	Test	Safety test output	

18		common for photocells	
19	Sec Cell- o	cell active during opening	
20	Sec Cell- c	cell active during closing	
21	ESE	8K2 resistive safety edge	Allows the connection of the Radio safety edge kit Ref: 9019589
22	Contact	Complete / opening control input	Also use for hold to run opening
23		Commun for complete and pedestrian input	
24	Contact	Pedestrian / closing control input	Also use for hold to run closing
25	Ame	Aerial antenna	
26	Tresse		

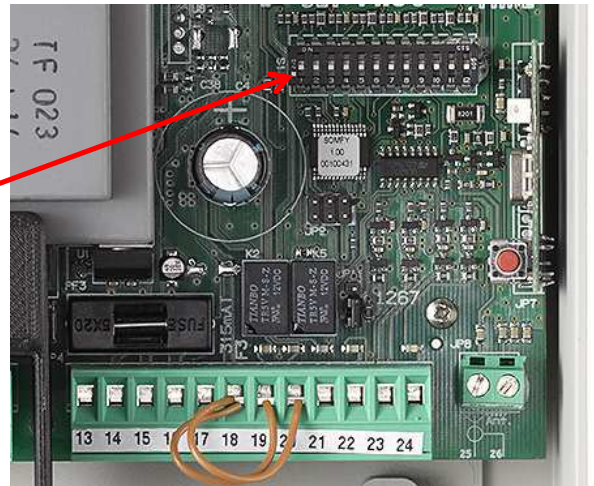
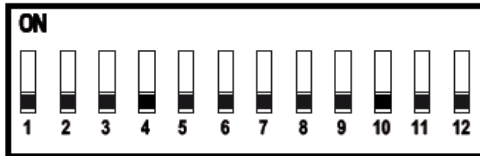
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→ **CB 230**



Dipswitches



Advanced parameter setting		
Dipswitches	Setting	
1-2	Setting torque motor 1	Setting 25%=>100%
3-4	Setting torque motor 2	
5	Gate leaf mode	Off: 2 motors ON: 1 motor
6	Offset of the gates leaves during closing	Off: set during programming (0=>10 sec) ON: fixed offset of 20s
7-8-9	Operating modes	Séquential : OFF-OFF-OFF
		Séquential+automatic close: OFF-OFF-ON
		Semi-automatic: OFF-ON-OFF
		Automatic: OFF-ON-ON
		Automatique+cell blocking: ON-OFF-OFF
		Hold to run wired control: ON-ON-ON
10	Lock release	Off: Without lock release ON: With lock release
11	Orange light warning	Off: without warning ON: With 2 s warning before the movement
12	Cells autotest when closing	Off: Without autotest ON: With autotest (only available for the cell

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Use restriction

- Type of Gates : Rigid Structure : Wood, Steel, Aluminium
PVC excluded
- Size / Weight of gate (pear leaf)
 - Overall 4m/400kg
 - Details **4m** & 170kg
 - 3m & 300kg
 - 2,6m & **400kg**
- Size / Weight of gate (pear leaf) with mechanical end limit (ref:9019745)
 - Overall 3m/350kg
 - Details **3m** & 90kg
 - 2m & 200kg
 - 1.5m & **350kg**

notes : Electric lock recommended from 2m

Control principles

• Controls type

- 1 button sequential type
from radio remote controls or any control switch wired to control inputs
Total (2 leaves) or Pedestrian (1 leaf operation)
- 3 buttons « telis » type
 - Open, Stop, Close (no pedestrian opening)

If any functional mode with **automatic closure** is used **photocells are mandatory** to be installed.

Not locked at product level but indicated in manuals (installation + use)

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Radio performances

Vehicle control : 50m

- From car with thermal protection windscreen and spared area, facing the door with at same altitude level
- Remote control attached to car key at motor ignition point

Property Area : 50m

- From inside house through 1 reinforced concrete walls

Given for following conditions

- *temperature 20° to 25°*
- *nominal voltage : receiver + remote controls*
- *no obstacle between receiver and remote control*
- *depending on gate configuration , reaching these performances could require deported antenna*

*Extracts from Function and ergonomics standards SDEV - SFE
046R2E - RTS Communication System.doc*

Remote / Sensor

Number of remote control : 128 channels max































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Standards & Rules certification

Define the list of the regulations, the standards and the certification marks which has to satisfy the product or the range of product for the aimed geographical zone and the thrown(planned) environment.

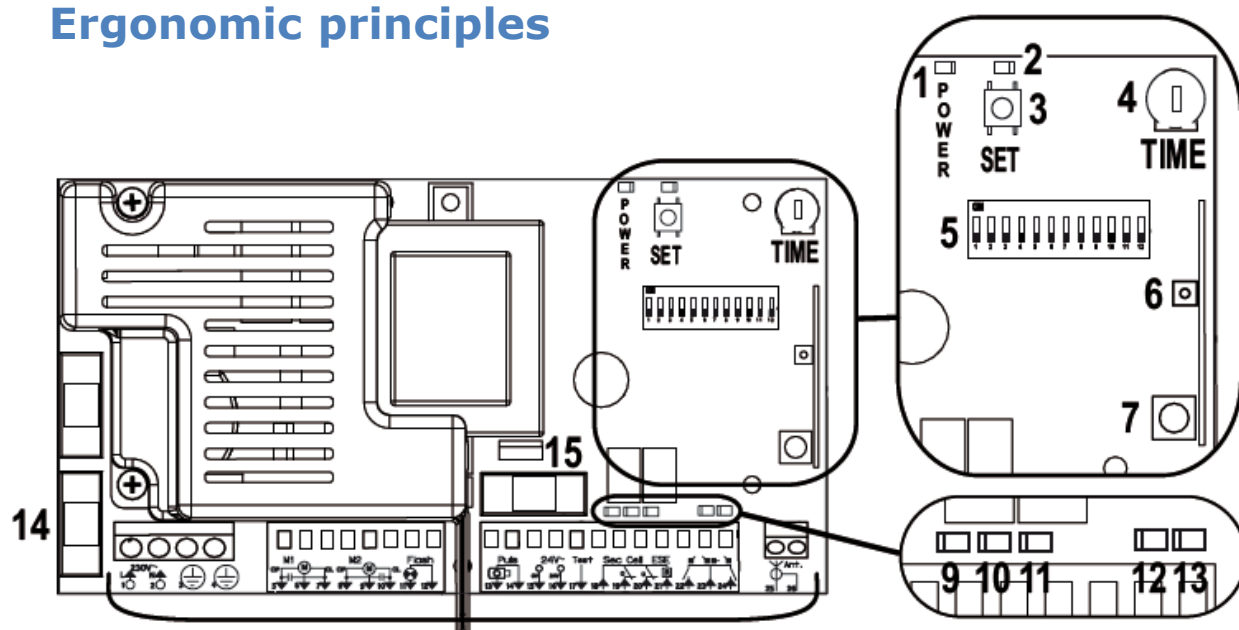
We have to find here at the same time the rules (international, European and National Regulations and Directives), the standards (national, European EN or international IEC, ISO, etc.) and the contractual voluntary marks (NF, VDE, GS, IMQ, etc.)

Standard	Yes / No	Country
		USA
		Europe
		France
		Germany
		Germany
		Australia
		Israël
		Saudi Arabia
		Korea
		USA
		
		
		
		
		

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Ergonomic principles



- | | |
|-----------------|-------------------|
| ○ Off | ☀ Rapid flashing |
| ☀ Slow flashing | ● Permanently lit |

No.	Description	Comments	No.	Description	Comments
1	POWER indicator	<ul style="list-style-type: none"> ☀ : First time the unit is switched on, programming not carried out ☀ : Electronic fault (motor thermal cut-out, etc.) ● : Programming complete 	6	PROG indicator light	<ul style="list-style-type: none"> ☀ : Radio reception ☀ : Awaiting memorisation of a radio control point
2	SET indicator	☀ : Programming in progress	7	PROG button	Radio control points memorised/cleared
3	SET button	Gate leaf travel programming started/cleared	8	Terminal block	Power supply for the control box, motor wiring and accessories
4	TIME potentiometer	Setting of the automatic timed close	9	"Cell active during opening input" indicator	☀ : Fault or photoelectric cells obstructed
5	Dipswitches	<ul style="list-style-type: none"> 1 - 2 Motor 1 torque 3 - 4 Motor 2 torque 5 Operation of 1 or 2 motors 6 Gate leaf offset during closing (for special installation configurations) 7 - 8 - 9 Operating modes 10 Lock release 11 Orange light warning 12 Cell autotest during closing 	10	"Cell active during closing input" indicator	☀ : Fault or photoelectric cells obstructed
			11	Resistive safety edge input indicator	☀ : Fault or activation of the safety edge
			12	Total control input indicator	☀ : Input activated
			13	Pedestrian control input indicator	☀ : Input activated
			14	2.5 AT fuse F1	Protection for the 230 V orange light and the motors
			15	100 mAT fuse F2	Surge protection for the 24 V accessories outputs
			16	315 mAT fuse F3	Short circuit protection for the 24 V accessories outputs

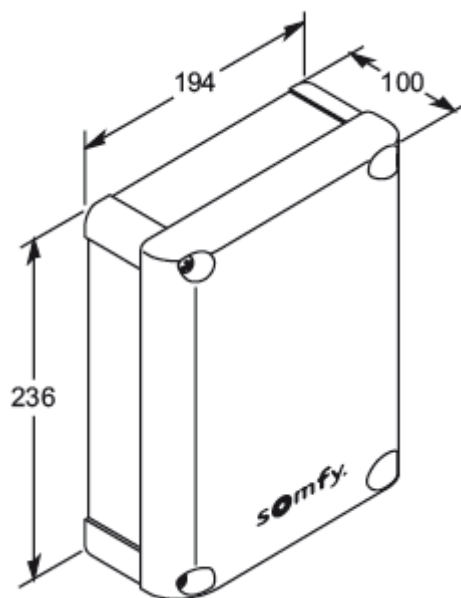
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Interface drawings



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Warranty

3 year warranty



Replacement & substitution

Will kill Current IXENGO L 230V range and FX230

IXENGO S 230V product will be kept,

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Support & tools recommendation

The Activities describe advices and recommendations for subsidiaries, support and services to be set up in order to make a success of the product launch

The Activities give to subsidiaries the list of available supports which are updated during the life time of product and range of products

- Notice,
- Data sheet,
- Customizable notice,
- Guide line,
- Guide of work,
- Recommendation of support (training,...)
- Characteristics files,
- Interfaces drawings,
- The list is still opened according to the products typologies,
- Catalog of spare parts








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Logistic information






- Motor Packaging : in line with Somfy Packaging Chart PRO :

Packs

								Packs per pallet
	Ref. 1841212	Ref. 1841026	Ref. 9018754	Ref. 1841155	Ref. 9019511	Ref. 9019502		
Standard pack RTS Ref. 1216434	● 2x	●	● 1x	-	-	-	●	18
ECO CFT pack RTS Ref. 1216433	● 2x	●	● 2x	●	●	●		18
1 motor only* Ref. 1216436	● 1x	-	-	-	-	-	●	12

* Without electronics - For single leaf application - For use with the external Control Box CB 230 RTS

Packs

								Packs per pallet	Instructions manuals
	Ref. 1841212	Ref. 1841026	Ref. 9018754	Ref. 1841155	Ref. 9019511	Ref. 9019502			
EE pack RTS Ref. 1216435	● 2x	●	● 1x	-	●	-	●	18	PL/RU/CS/RO
ECO CFT Pallet PACK Ref. 1216437	● 2x	●	● 2x	●	●	●		18	EN/FR/TR/FA/AR

The « ECO CFT Pallet Pack » is only sell by pallet

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Logistic information

1 motor only ref: 1216436

Packaging size	1105*180*147 mm
Packaging weight	8 KG
Storing temperature	- 20°C / +70 °C

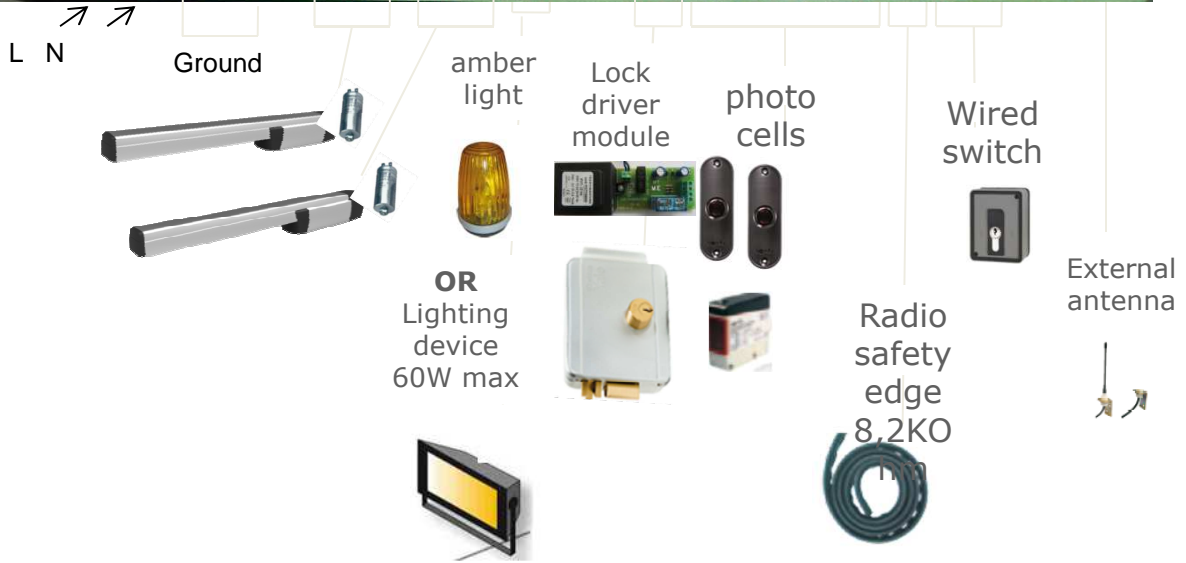
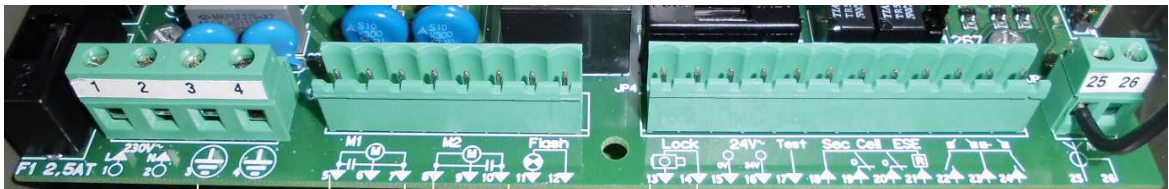
2 motors

Packaging size	1040*257*270 mm
Packaging weight	17KG
Storing temperature	- 20°C / +70 °C

CB 230

Packaging size	295*207*118 mm
Packaging weight	1KG
Storing temperature	- 20°C / +70 °C

Plan of connection

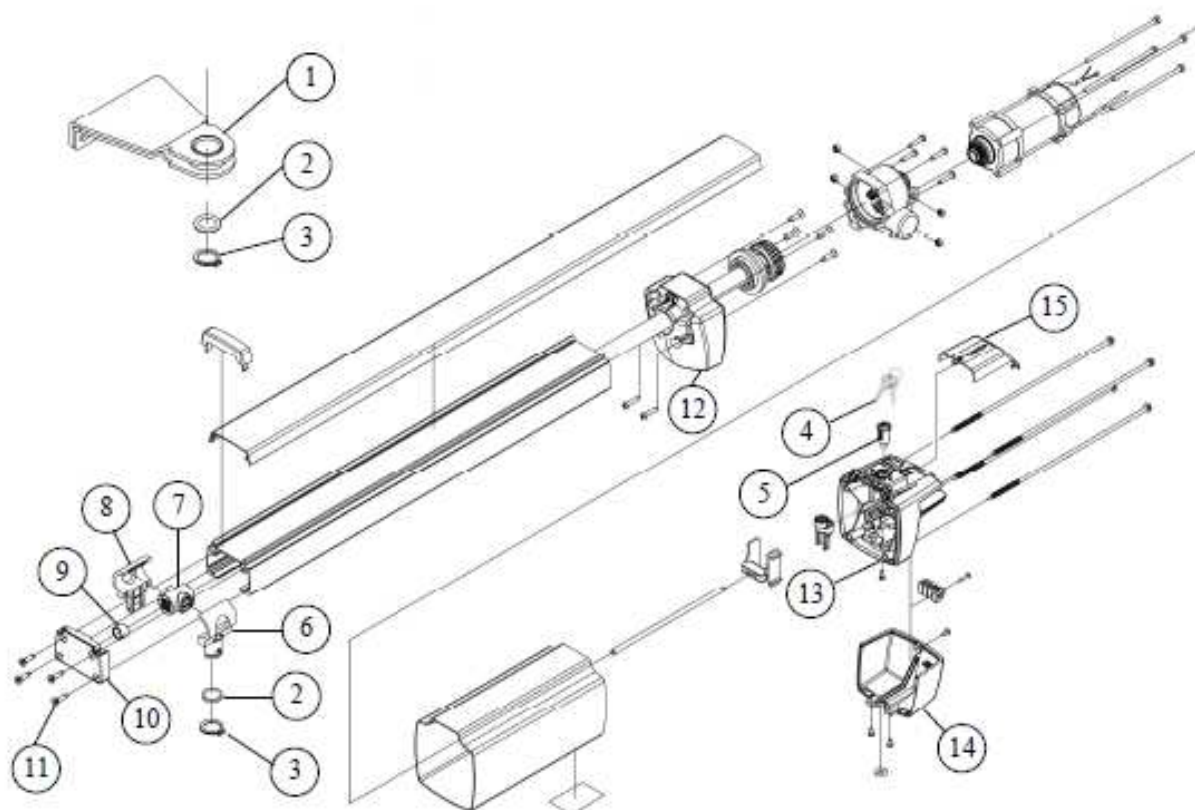
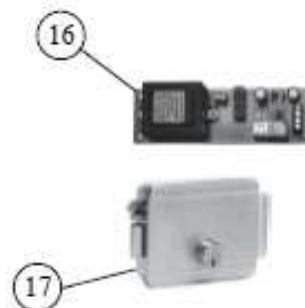


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Spare parts

Mark	Designation	Reference
1	Ixengo L 230V leaf attach kit	1782817
2	Ixengo L 230V leaf attach kit	1782817
3	Ixengo L 230V leaf attach kit	1782817
2	Ixengo L 230V bolt attach kit	1782816
3	Ixengo L 230V bolt attach kit	1782816
4	Ixengo L 230V unlocking kit	1782818
5	Ixengo L 230V unlocking kit	1782818
6	Ixengo L 230V bolt attach kit	1782816
7	Ixengo L 230V bolt attach kit	1782816
8	Ixengo L 230V bolt attach kit	1782816
9	Ixengo L 230V bolt attach kit	1782816
10	Ixengo L 230V bolt attach kit	1782816
10	Ixengo L 230V plastic kit	1782819
11	Ixengo L 230V bolt attach kit	1782816
12	Ixengo L 230V plastic kit	1782819
13	Ixengo L 230V plastic kit	1782819
14	Ixengo L 230V plastic kit	1782819
15	Ixengo L 230V plastic kit	1782819
16	Electric lock module	9019504
17	Vertical electric lock 12V	9019553



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