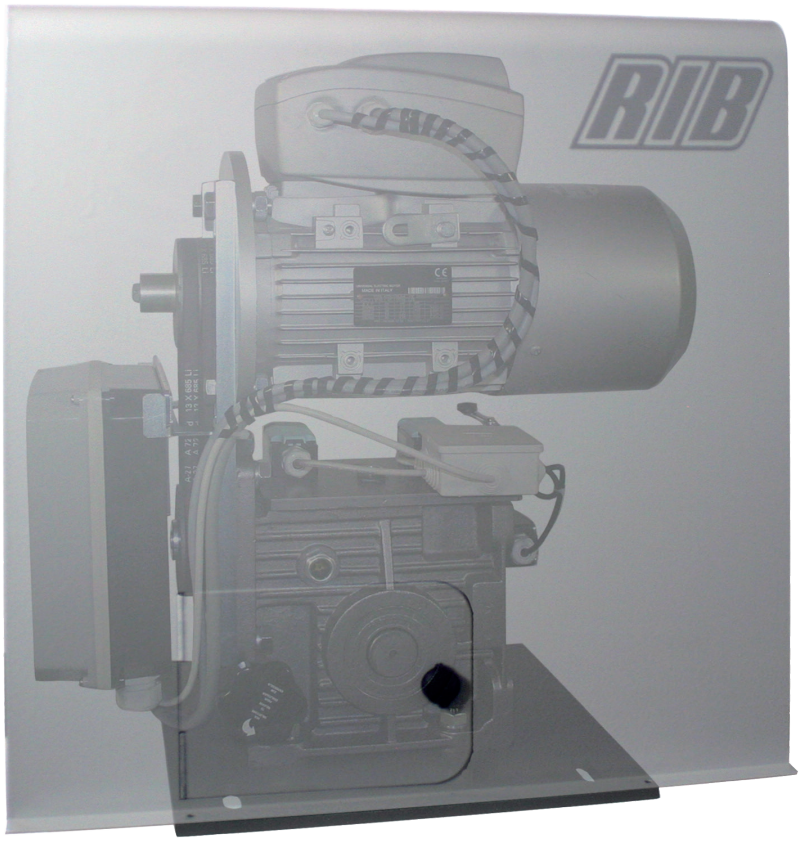
SUPER 8000 INV

مع / with L1-CRX



iOS

ANDROID

watchOS 4

See page 40

Wi Fi

انتباه

- مشغل السرعة العالية (20 م / دقيقة).

تحذير: بإزالة العاكس من الغلاف ، لن تتمكن من الوصول إلى أي جهاز من شأنه أن يجعلك تتغيّر في سرعة المشغل. سوف تقوم فقط بإلغاء الضمان.

- المقصود فقط لمجموعة من السيارات.
- ثبّت فقط إذا كنت متأكدًا من عدم وجود أي شخص في متناول البوابة.
- تأكد من استخدام أجهزة الأمان المناسبة كما هو موضح في EN 12453 لتفادي حدوث شيء ما أو ضرب شخص ما بواسطة البوابة.
- لاستخدام رف معدني فقط (نحن ننصح ACS9090 M6).

ATTENTION

- HIGH SPEED OPERATOR (20 M/MIN).

CAUTION: BY REMOVING THE INVERTER COVER YOU WILL NOT HAVE ACCESS TO ANY DEVICE THAT WILL MAKE YOU VARYING THE OPERATOR'S SPEED. YOU WILL ONLY INVALIDATE THE WARRANTY.

- INTENDED ONLY FOR PASSAGE OF VEHICLES.
- INSTALL ONLY IF YOU ARE SURE THAT NOBODY IS IN THE REACH OF THE GATE.
- MAKE SURE THAT APPROPRIATE SAFETY DEVICES ARE USED AS SHOWN IN EN 12453 TO AVOID THAT SOMETHING OR SOMEBODY COULD BE HIT BY THE GATE.
- TO USE METAL RIB RACK ONLY (WE ADVISE ACS9090 MODULE 6 WITH CATAPHORESIS TREATMENT).

عامل / Operator		مزود الطاقة / Power Supply	ماكس بوابة الوزن / Max gate weight	ماكس التوجه / Max Thrust	الشفرة / Code
SUPER 8000 INV	380/400V 3~ 50/60Hz	8000 kg / 17637 lbs	900 kg / 1980 lbs	405 Nm	AA31040
	220V 3~ 60Hz				AA38012

ATTENTION - FOR THE SAFETY OF PEOPLE IT IS IMPORTANT TO FOLLOW ALL THE INSTRUCTIONS
KEEP THESE INSTRUCTIONS WITH CARE

1° - Install a pure differential switch type ABB F204A-25 / 0.3 upstream of the control panel without magnetothermic release. It guarantees the protection of people from indirect contacts and additional protection from direct contacts according to the CEI EN 61008-1 and CEI EN 61008-2-1 standards. Pure RCDs must be protected against short circuits by appropriate circuit breakers or fuses. The anti-disturbance APR versions are devices specially designed to be immune to untimely trips caused by impulsive dispersions due to maneuvers or atmospheric phenomena such as lightning strikes.

2° - For the section and the type of the cables RIB advices to use a cable of H05RN-F type with 1,5 sqmm minimum section and, however, to keep to the IEC 364 and installation standards in force in your country.

3° - Positioning of a possible couple of photoelectric cells: the radius of the photoelectric cells must be at a height of no more than 70 cm from the ground and at a distance not superior to 20 cm from the motion plane of the door. Their correct working must be verified at the end of the installation in accordance with the point D.3.2 of the EN 12453

4° - To fulfill the limits set by EN 12453, and in case the peak force exceeds the normative limit of 400 N it is necessary to have recourse to the active presence survey on the whole height of the door (up to max 2,5 m) - The photoelectric cells, in this case, must be applied in accordance with the point D.4.1 of the EN 12453.

N.B.: The earthing of the system is obligatory.

The data described in this handbook are purely a guide.
RIB reserves the right to change them in any moment.
Carry out the system in the respect of the standards and laws in force.

IMPORTANT SAFETY INSTRUCTIONS FOR THE INSTALLATION
ATTENTION - THE INCORRECT INSTALLATION CAN CAUSE SERIOUS DAMAGES
FOLLOW ALL INSTALLATION INSTRUCTIONS

1° - **This handbook is exclusively addressed to the specialized personnel** who knows the constructive criteria and the protection devices against accidents for motorized gates, doors and main doors (follow the standards and the laws in force).

2° - The installer will have to issue a handbook to the final user in accordance with the EN 12635.

3° - Before proceeding with the installation, the installer must forecast the risks analysis of the final automatized closing and the safety of the identified dangerous points (Following the standards EN 12453).

4° - Before installing the motion motor, the installer must verify that the gate is in good mechanical conditions and that it adequately opens and closes.

5° - The installer must install the member for the manual release at a height inferior to 1,8 m.

6° - The installer will have to remove possible impediments to the motorized motion of the gate (eg. door bolts, sliding bolts, door locks etc.)

7° - The installer will permanently have to put the tags warning against the deflection on a very visible point or near possible fixed controls.

8° - The wiring harness of the different electric components external to the operator (for example photoelectric cells, flashlights etc.) must be carried out according to the EN 60204-1.

9° - The possible assembly of a keyboard for the manual control of the movement must be done by positioning the keyboard so that the person operating it does not find himself in a dangerous position; moreover, the risk of accidental activation of the buttons must be reduced.

10° - Keep the automatism controls (push-button panel, remote control etc.) out of the children way. Command device for operating the motor (a switch manually closed) should be placed in area visible from the guided site and far from moving parts. It should be placed at least at 1,5 m height.

11° - this appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved

12° - children shall not play with the appliance

13° - cleaning and user maintenance shall not be made by children without supervision

14° - do not allow children to play with fixed controls. Keep remote controls away from children

15° - Fixed command devices should be installed in a well visible way.

16° - Before carrying out any installation, regulation or maintenance operation of the system, take OFF the voltage by operating on the special magneto thermic switch connected upstream.

17° - At the end of the installation, the installer will have to make sure that the parts of the door do not encumber streets or public sidewalks.

THE RIB COMPANY DOES NOT ACCEPT ANY RESPONSIBILITY for possible damages caused by the non observance during the installation of the safety standards and of the laws in force at present.

تنبيه - للسلامة الناس من المهم أن اتباع جميع التعليمات

احتفظ بهذه التعليمات مع كير

1 ° - قم بتثبيت مفتاح تفاضلي خالص من النوع ABB F204A-25 / 0.3 من لوحة التحكم دون تحرير مغناطيسي للحرارة. يضمن حماية الأشخاص من جهات الاتصال غير المباشرة وحماية إضافية من الاتصالات المباشرة وفقًا لمعايير CEI EN 61008-1 و CEI EN 61008-2-1. يجب حماية RCDs النقية من الدوائر القصيرة بواسطة قواطع أو صمامات كهربائية مناسبة. إصدارات APR المضادة للاضطراب هي أجهزة مصممة خصيصًا لتكون محصنة ضد الرحلات المفاجئة الناتجة عن التشتت المندفع بسبب المناورات أو الظواهر الجوية مثل الصواعق.

2 ° - لل قسم ونوع من النصائح لاستخدام الكابلات RIB برقية نوع H05RN -F مع 1،5 sqmm الحد الأدنى و القسم ، ومع ذلك ، للحفاظ على IEC 364 و معايير التركيب المعمول بها في بلدك.

3 ° - وضعية بضع ممكن من الخلايا الكهروضوئية : ؟ يجب أن يكون نصف قطر الخلايا الكهروضوئية على ارتفاع لا يزيد عن 70 سم من الأرض و على مسافة لا متفوقة على 20 سم من الطائرة الحركة من الباب. يجب التحقق من هذه العمل الصحيح في نهاية التثبيت وفقا لل نقطة D.3.2 من EN 12453

4 ° - للوفاء حدود التي وضعتها EN 12453 ، وفي حالة القوة الذروة يتجاوز الحد المعياري لل 400 N فمن الضروري أن يكون اللجوء للمسح جود نشط على ارتفاع كاملة من الباب (إلى حد أقصى 2، 5 م) - الخلايا الكهروضوئية، في هذه الحالة، يجب أن تطبق وفقا لل نقطة D.4.1 من EN 12453

إلا مع الأدوات.

ملحوظة : إن التأريض من النظام واجبة.

البيانات الموضحة في هذا الكتيب هي محض دليل.
تحتفظ RIB الحق في تغييرها في أي لحظة.
تنفيذ نظام في احترام المعايير والقوانين المعمول بها.

تعليمات السلامة هام لتركيب

تحذير - لا التثبيت الصحيح يمكن أن يسبب أضرار خطيرة

اتباع جميع تعليمات التثبيت

1 ° - يتم تناول هذا الكتيب حصرا ل موظفين متخصصين الذي يعرف معايير البناء و أجهزة الحماية ضد الحوادث للبوابات الآلية ، والأبواب و الأبواب الرئيسية (اتباع المعايير و القوانين النافذة) .

2 ° - المثبت سوف تضطر إلى إصدار كتيب للمستخدم النهائي وفقا لل 12635 .

3 ° - قبل متابعة التثبيت، يجب المثبت توقع تحليل مخاطر إغلاق automatized النهائية وسلامة النقاط الخطيرة التي تم تحديدها (بعد معايير EN 12453) .

4 ° - قبل تثبيت المحرك الحركة، و يجب التحقق من أن المثبت بوابة المتداول في ظروف ميكانيكية جيدة ، وأنه يفتح ويغلق بشكل كاف .

5 ° - المثبت يجب تثبيت عضو لإطلاق سراح دليل على ارتفاع أقل من 1،8 متر.

6 ° - المثبت سوف تضطر إلى إزالة العراقيل التي قد تعوق الحركة الآلية من بوابة المتداول (مثل مسامير الباب، انزلاق براغي ، وأقفال الأبواب وغيرها)

7 ° - المثبت لديها بشكل دائم لوضع التحذير به ضد انحراف في نقطة مرئية جدا أو بالقرب ضوابط ثابتة ممكن.

8 ° - تسخير الأسلاك من مختلف مكونات الكهربائية الخارجية للمشغل (على سبيل المثال الخلايا الكهروضوئية ، والبطاريات الخ) يجب أن تنفذ وفقا ل EN 60204-1 و التعديلات عليها القيام به في النقطة 5.2.2 من و EN 12453 .

9 ° - ويجب أن يتم تجميع ممكن من لوحة المفاتيح لل تحكم يدوي للحركة عن طريق وضع لوحة المفاتيح بحيث أن الشخص تشغيله لا يجد نفسه في موقف خطير ؛ وعلاوة على ذلك ، يجب أن تخفض من خطر تفعيل عرضي من الأزرار.

10 ° - الحفاظ على الضوابط تلقائي (لوحة الضغط على زر ، تحكم عن بعد وغيرها) للخروج من الطريق الأطفال. يجب وضع الجهاز الأوامر لتشغيل المحرك (مفتاح مغلق يدويا) في المنطقة المرئية من موقع موجهة وبعيدة عن أجزاء متحركة. وينبغي وضعها على الأقل 1،5 م ارتفاع .

11 ° - هذه الأجهزة يمكن استخدامها من قبل الأطفال الذين تتراوح أعمارهم بين 8 سنوات وما فوق و الأشخاص ذوي القدرات المادية والحسية والعقلية انخفاض أو عدم وجود الخبرة والمعرفة إذا ما أعطيت الإشراف أو تعليمات بشأن استخدام الأجهزة بطريقة آمنة وفهم المخاطر الناجمة عنها

12 ° - الأطفال لا يجوز اللعب مع الأجهزة

13 ° - لا يجوز جعل التنظيف والصيانة المستخدم من قبل الأطفال دون إشراف

14 ° - لا تسمح للأطفال باللعب مع ضوابط ثابتة. الحفاظ على أجهزة التحكم عن بعد بعيدا عن متناول الأطفال

15 ° - يجب تثبيت أجهزة القيادة الثابتة بطريقة مرئية أيضا.

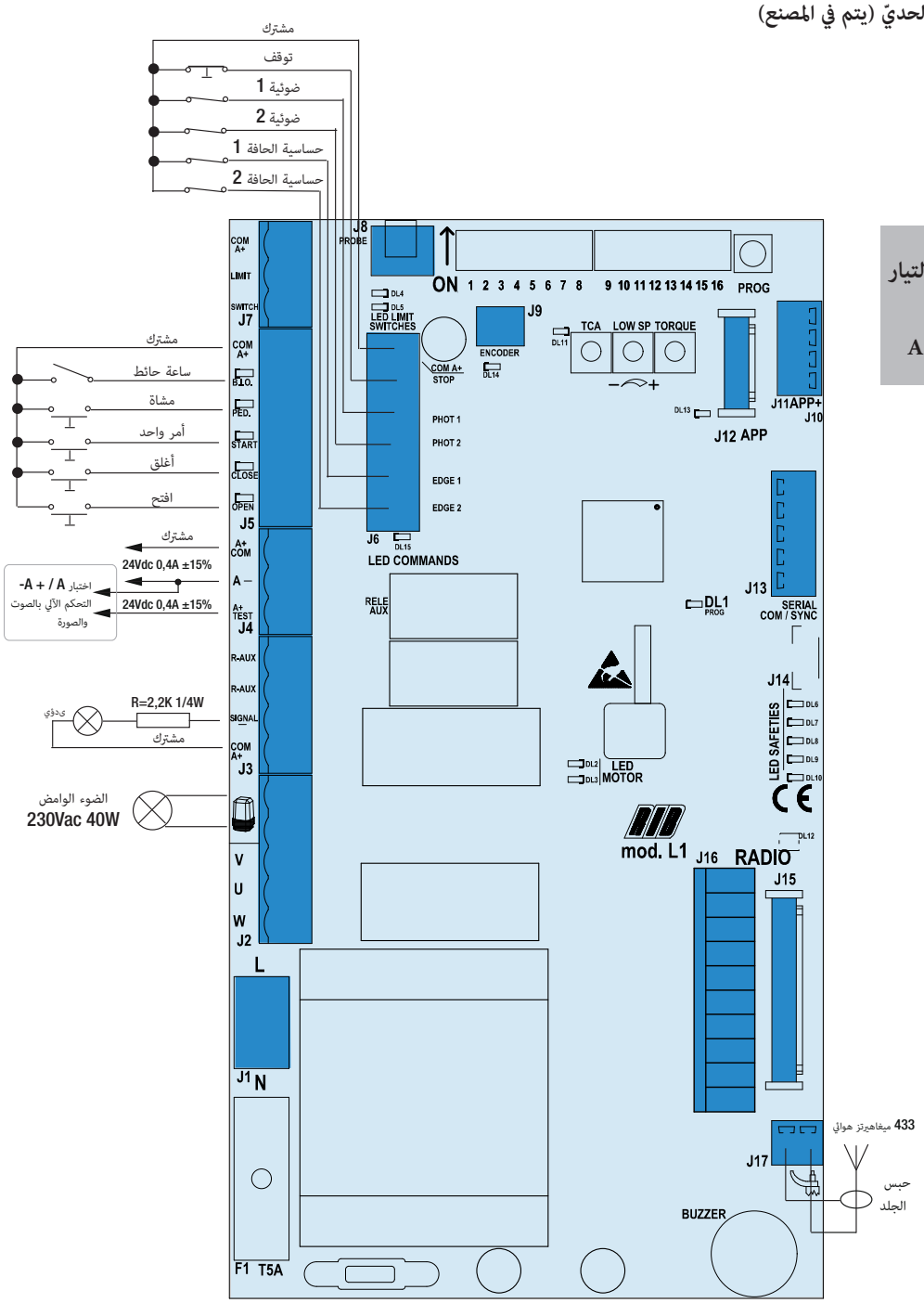
16 ° - قبل تنفيذ أي عملية التثبيت ، وتنظيم أو صيانة للنظام، و خلع الجهد من خلال العمل على مغناطيسي خاص التبديل الحراري توصيل المنبع.

17 ° - في نهاية التثبيت، سوف المثبت ديك للتأكد من أن أجزاء من الباب لا رهنها الشوارع أو الأرصفة العامة.

شركة RIB لا تقبل أي مسؤولية عن الأضرار المحتملة الناجمة عن عدم مراعاة أثناء تثبيت معايير السلامة والقوانين المعمول بها في الوقت الحاضر.

نص لدليل SUPER 8000 INV مع L1-CRX

1 - توصيل الموتور والمفتاح الحديّ (يتم في المصنع)

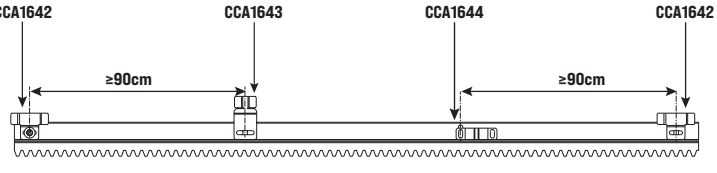


قم بتثبيت قواطع دوائر التيار المتبقي مثل
ABB F204A-25 / 0،3

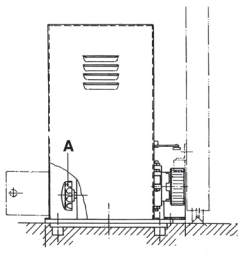
أو المشاة TOTAL منظم إغلاق مؤقت للإغلاق التلقائي للفتحات - TCA TRIMMER
(أداة تشذيب الحواف تدور بالكامل في اتجاه عقارب الساعة) LED DL١١ OFF افتراضي لا يتم تنشيطه و
يتم تدوير أداة القطع في اتجاه عقارب) LED DL١١ ON تتيح أداة القطع هذه ضبط وقت الإيقاف المؤقت للإغلاق التلقائي الكلي أو للمشاة. فقط مع فتح البوابة بالكامل (كليًا) أو مفتوح جزئيًا (للمشاة) و
.featuture) الساعة لتنشيط
.يمكن ضبط وقت الإيقاف المؤقت (لبوابة مفتوحة بالكامل) من ٢ ثانية على الأقل إلى دقيقتين كحد أقصى
.من ثانيتين على الأقل إلى ٣٠ ثانية كحد أقصى (.PED يمكن ضبط وقت الإيقاف المؤقت (للبوابة المفتوحة مع التحكم

2: ضبط نهاية المسار

يحتوي SUPER 8000 INV على 4 مفاتيح مستقلة للحد من تسرب المياه مثبتة على مخفض المحرك ، والتي تم ضبطها لتتحكم في بداية التباطؤ وإيقاف حركة البوابة في كلا الاتجاهين.
قم بإصلاح كامات التباطؤ CCA1643 و CCA1644 كما هو موضح في الرسم.



لتتمكن من فتح البوابة يدويًا ، افتح الغطاء بالمفتاح المناسب وأدخل المؤشر «أ» في اتجاه عكس اتجاه عقارب الساعة. لاستعادة الأداء الكهربائي تعمل في الاتجاه المعاكس.



-3 اضبط المفاتيح الدقيقة للطراز SUPER 8000 INV DIP 1-2-3-5-6-7-8-9-10-11-13-14 على OFF (إيقاف) و16-15-12-**DIP 4** على ON (تشغيل).

4. برمجة الافتتاح الكلي.

ملاحظة: إذا كانت مدخلات STOP و PHOT 1 و PHOT 2 و EDGE 1 و EDGE 2 غير متصلة ، فقم بإجراء وصلات ربط بين COM A+ / STOP / PHOT 1 / PHOT 2 / EDGE 1 / EDGE 2 قبل متابعة البرمجة.

ملحوظة: في هذه الحالة ، سيتم تجاهل أجهزة سلامة أزرار الحافة والضوئية والإيقاف. يجب أن تكون مصابيح DL6-7-8-9-10 في وضع التشغيل.

1 - هام: ضع البوابة على بعد 20 سم تقريبًا من تبديل حد الإغلاق.

2 - ضع DIP 2 في الوضع ON => يبدأ مؤشر DL1 في الوميض.

3 - اضغط على زر PROG./RADIO/OPEN/START. سوف تبدأ البوابة سلسلة من الحركات. لا تمشي أمام الخلايا عندما تتحرك البوابة. اكتمال الإعداد عندما تظل البوابة مغلقة ويغلق مصباح DL1.

4 - تعيين DIP 2 مرة أخرى إلى OFF.

5: برمجة فتح الممشى

يجب أن تكون البوابة مغلقة بالكامل.

1 - ضبط DIP2 أول على ON (يضيء مصباح DL1 بسرعة) وبعد DIP1 إلى ON (يضيء مصباح DL1 ببطء).

2 - اضغط على زر المشاة (M1 => (.COM A+/PED يفتح.

3 - اضغط على زر المشاة (.COM A+/PED) لإيقاف M1 عند النقطة المطلوبة.

4 - اضغط على زر المشاة (.COM A+/PED) لإغلاق M1.

5 - عند الوصول إلى الإغلاق ، قم بإعادة ضبط DIP 1 و 2 إلى OFF.

6: برمجة جهاز التحكم عن بعد للفتح الكلي

يمكن أن تتم البرمجة فقط عندما تكون البوابة ثابتة.

-1 قم بتعيين DIP 1 إلى ON أولاً ثم DIP 2 إلى ON. يومض LED DL12 باللون الأحمر لمدة 10 ثوانٍ.

2 - اضغط على زر التحكم من بعد (عادةً ما تكون القناة A) خلال الثواني العشر المخصصة. إذا تم حفظ جهاز التحكم عن بعد بشكل صحيح يومض LED DL12 باللون الأخضر وتؤكد نغمة الجرس على الحفظ الصحيح. يتم تجديد الثواني العشر من برمجة البرمجي تلقائيًا ، مع إضاءة LED DL12 باللون الأحمر ، من أجل تخزين جهاز الإرسال التالي.

3 - لإنهاء البرمجة ، انتظر 10 ثوان ، أو اضغط على الزر PROG باختصار. LED DL12 توقف وامض.

4 - إعادة تعيين DIP 1 إلى OFF و DIP 2 إلى OFF.

7: تخصيص الضبط

من الممكن تعديل الضبط من خلال تحريك المفاتيح الكهربائية

DIP 4 خلايا ضوئية نشطة دائمًا (OFF) - خلايا ضوئية نشطة فقط أثناء الإغلاق (ON)

DIP 5 الوميض المسبق (ON) - الوميض العادي (OFF)

DIP 6 أمر نبض واحد (START) و RADIO - خطوة بخطوة (ON) - تلقائي (OFF)

DIP 7 تفعيل كهروضوئية (**ON - activated** AUTO-TEST).

DIP 8-9-10-11 غير متوفر

DIP 12 تنشيط نظام الراديو (OFF) SUN-PRO - (ON) SUN

إيقاف **DIP 13**: بعد تأثير حافة الأمان ، توقف مع الانعكاس القصير والتوقف اللاحق

تشغيل: بعد تأثير حافة الأمان ، توقف

DIP14 إيقاف

DIP15 على

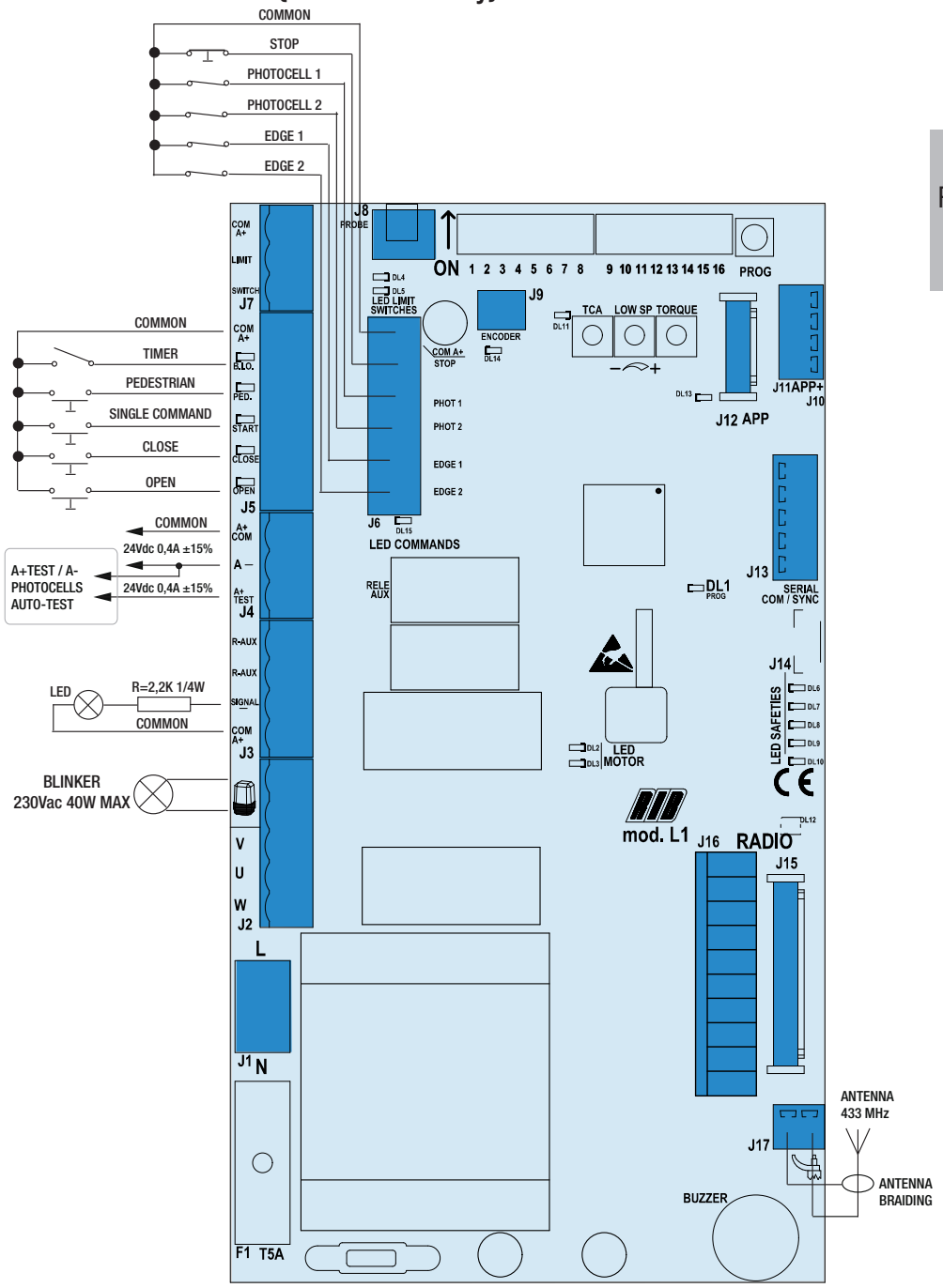
DIP16 على

هام: يجب أن يتطابق النظام مع كل المعايير والتوجيهات المعمول بها حاليًا.

تنبيه: • قم بتثبيت بطاقة APP (أو بطاقة APP+ مع وحداتها) واستخدام هاتفك الذكي مع تطبيق RIB GATE App للاستفادة من جميع الوظائف المتقدمة التي يمكن أن يقدمها لك مجلس L1.

SIMPLIFIED INSTRUCTIONS FOR SUPER 8000 INV WITH L1-CRX

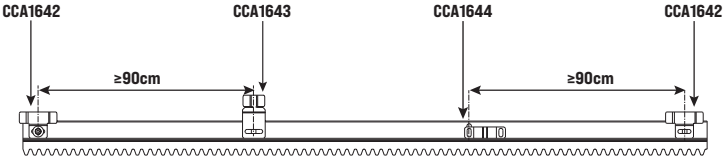
1° Connecting the motor and limit switch (done in the factory)



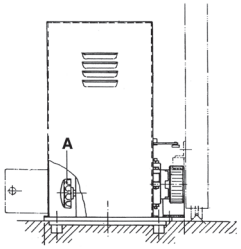
Install a
Residual Current Circuit
Breaker like
ABB F204A-25/0,3

TCA TRIMMER - AUTOMATIC CLOSING pause time regulator for TOTAL or PEDESTRIAN openings
by factory NOT ACTIVATED and LED DL11 OFF (trimmer fully rotated counterclockwise)
This trimmer makes it possible to adjust the pause time for total or pedestrian automatic closing. Only with gate completely open (total) or partially open (pedestrian) and LED DL11 ON (trimmer rotated clockwise to activate the feauture).
The pause time (for a totally opened gate) can be adjusted from a minimum of 2 s up to a maximum of 2 minutes.
The pause time (for gate open with PED. control) can be adjusted from a minimum of 2 s to a maximum of 30 s.

2 – LIMIT SWITCH ADJUSTMENT
SUPER 8000 INV has 4 independent watertight limit switches mounted on the motor-reducer, that are set to command the start of the deceleration and the stop of the movement of the gate in both directions.
Fix the decelaration cams CCA1643 and CCA1644 as shown in the drawing.



EMERGENCY RELEASE
To be able to open the gate manually, open the cover with the appropriate key and turn handle "A" in an anti-clockwise direction.
To restore the electric functioning operate in the opposite direction.



3. Set the microswitches for SUPER 8000 INV DIP 1-2-3-5-6-7-8-9-10-11-13-14 on OFF and DIP 4-12-15-16 ON.

4. PROGRAMMING TOTAL OPENING.

NOTE: If the STOP, PHOT 1, PHOT 2, EDGE 1 and EDGE 2 inputs are not connected, make jumpers between COM A+ / STOP / PHOT 1 / PHOT 2 / EDGE 1 / EDGE 2 before proceeding with programming.

NB: In this case the Edge, Photocell and Stop button safety devices will be ignored. The LEDs DL6-7-8-9-10 must be on.

1 - IMPORTANT: POSITION THE GATE AT APPROXIMATELY 20 CM FROM THE CLOSING LIMIT SWITCH.

2 - Put the **DIP 2 in the ON position** => the DL1 LED begins to flash.

3 - Press the PROG./RADIO/OPEN/START button. The gate will begin a series of movements. DO NOT WALK IN FRONT OF THE PHOTOCELLS WHEN THE GATE IS MOVING. Set up is complete when the gate remains closed and the DL1 LED is OFF.

4 - Turn the **DIP 2 back to the OFF position**.

5. PROGRAMMING THE PEDESTRIAN GATEWAY OPENING

With the gate closed:

1 - First set **DIP 2 to ON** (DL1 led flashes quickly) and after **DIP1 to ON** (DL1 led flashes slowly).

2 - Press the pedestrian button (COM A+/PED.) => M1 opens.

3 - Press the pedestrian button (COM A+/PED.) To stop M1 at the desired point.

4 - Press the pedestrian button (COM A+/PED.) To close M1.

5 - When the closure is reached, reset DIP 1 and 2 to OFF.

6. PROGRAMMING THE REMOTE CONTROL FOR TOTAL OPENING

Programming can be done only when the gate is stationary.

1 - First set **DIP 1 to ON** and then **DIP 2 to ON**. The LED DL12 flashes red for 10 s.

2 - Press the remote button (usually channel A) within the allotted 10 s. If the remote is memorized properly LED DL12 blinks green and a buzzer tone confirms the correct memorization. The 10 s for programming the codes are automatically renewed, with LED DL12 which flashes red, in order to store the next transmitter.

3 - To finish programming, wait 10 s, or press the PROG button briefly. LED DL12 stops flashing.

4 - Re-set **DIP 1 to OFF** and **DIP 2 to OFF**.

7. Customising configuration

You can change the configuration by moving the various micro-switches

DIP 4 Photocells always active (OFF) - Photocells active only during closing (ON)

DIP 5 Pre-blinking (ON) - Normal blinking (OFF)

DIP 6 Single pulse command (START) and RADIO - step-by-step (ON) - automatic (OFF)

DIP 7 Photocells AUTO-TEST activation (**ON - activated**).

DIP 8-9-10-11 IS NOT AVAILABLE

DIP 12 Activate the radio system SUN (ON) - SUN-PRO (OFF)

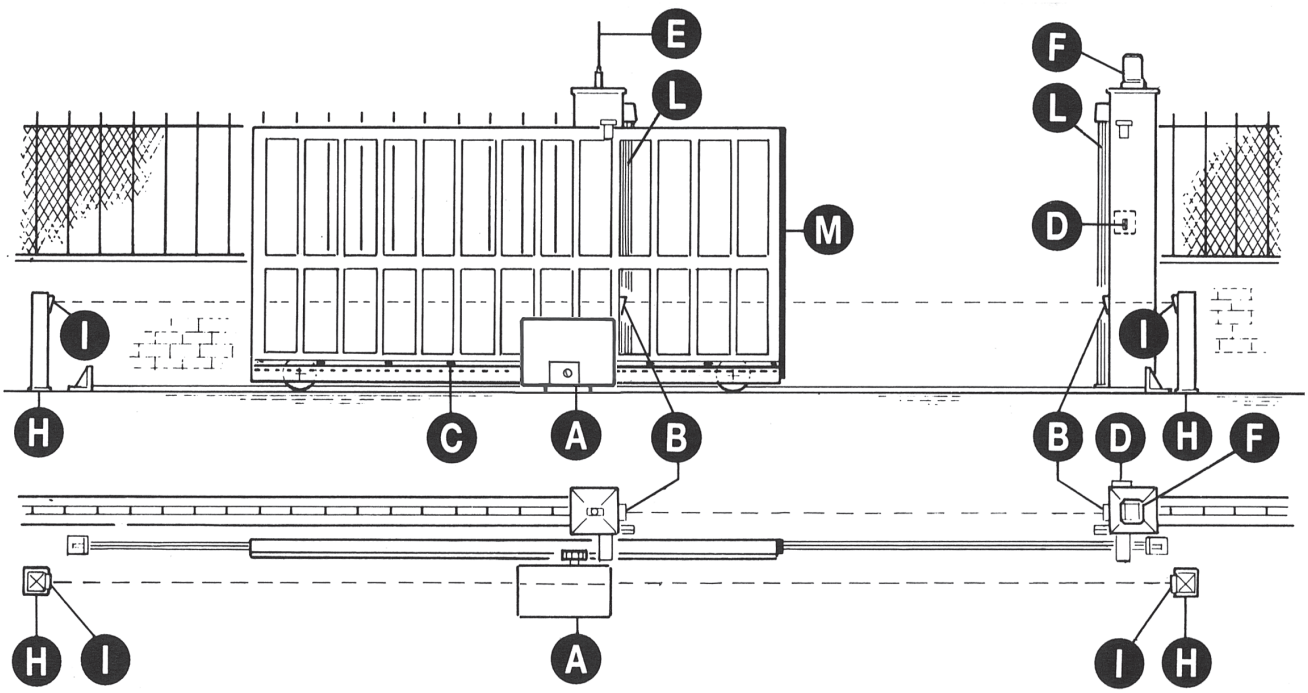
DIP 13 OFF: after safety edge impact, stop with short inversion and subsequent stop
ON: after safety edge impact, stop

DIP 14-15-16 OFF-ON-ON

IMPORTANT: The system must comply with all the standards and Directives currently in force.

ATTENTION: Install the APP card (or the APP+ card with its modules) and use your smartphone with the RIB GATE App to take advantage of all the advanced features that the L1 control board can OFFer you.

SYSTEM LAY-OUT



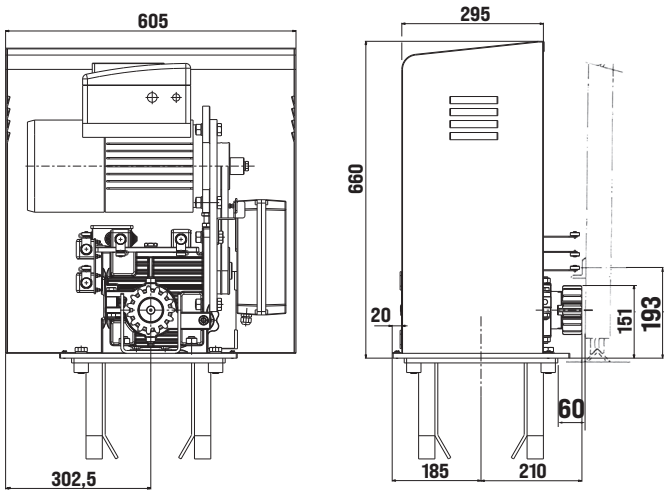
A - SUPER 8000 INV operator
B - Photoelectric cells (external)
C - Rack M6
D - Key selector
E - Tuned aerial
F - Flashing lamp
H - Galvanized column for P.E. cells
I - Photo electric cells (internal)
L - Safety strip fixed to column
M - Mechanical or electrical safety strip with RED transmitter

1

TECHNICAL DATA		SUPER 8000 INV
Max. leaf weight	kg	8000
Operating speed	m/s	0,33
Thrust force to constant turns	N	9000
Max torque	Nm	405
Rack module	M	6
EEC Power supply		**400V 3~ 50Hz**
Motor capacity	W	3000
Power absorbed	A	6,39
Normative cycles	n°	300 - 95s/2s
Power supply		**380V 3~ 60Hz**
Motor capacity	W	3000
Power absorbed	A	6,39
Normative cycles	n°	300 - 95s/2s
Power supply		**220V 3~ 60Hz**
Motor capacity	W	3000
Power absorbed	A	10,8
Normative cycles	n°	300 - 95s/2s
Daily operations suggested	n°	700
Service	%	100
Guaranteed consecutive cycles	n°	700/10m
Lubrification		SHELL OMALA S2 G100
Weight of electroreducer	kg	120
Noise	db	<70
Working temperature	°C	-10 ÷ +55
Protection	IP	55

TECHNICAL FEATURES

Irreversible operating devices for sliding gates with a maximum weight of 8000 kg / 13.200 lbs.
SUPER 8000 INV is designed for continuous use and is equipped with an inverter that allows gradual starts, high speed and a gradual deceleration when reaching the end of the run.
CAUTION: BY REMOVING THE INVERTER COVER YOU WILL NOT HAVE ACCESS TO ANY DEVICE THAT WILL MAKE YOU VARYING THE OPERATOR'S SPEED. YOU WILL ONLY INVALIDATE THE WARRANTY.
Its self-braking motor is useful to limit the inertia of the gate when stopping.



Measurements in mm/inch

INSTALLATION SUPER 8000 INV

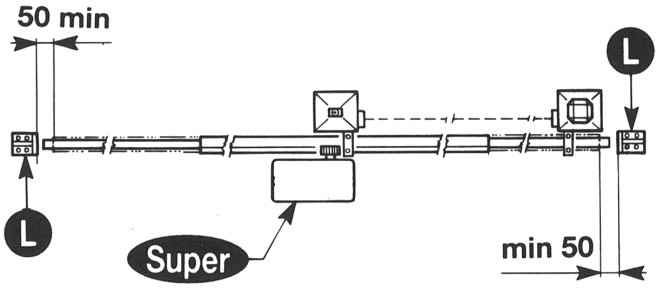
CHECKING BEFORE THE INSTALLATION

!! THE GATE SHALL MOVE FRICTIONLESS !!

N.B.: Gate features must be uniformed with the standards and laws in force. The door/gate can be automated only if it is in a good condition and its conditions comply with the EN 12604 norm.

- The door/gate leaf does not have to have a pedestrian opening. In the opposite case it is necessary to take the appropriate steps, in accordance with EN 12453 point 6.5.1 (for instance; by preventing the operation of the motor when the pedestrian opening is opened, by installing a safety microswitch connected with the control panel).
- Besides the electrical or mechanical limit switches available on the operators, there must be, on both ends of the installation, a fixed mechanical stopper which stop the gate in the unlikely event of ill functioning of limit swithces on the operators. For this reason the fixed mechanical stopper must be of an adeguate size to withstand the static and kinetic forces generated by the gate (12) (Fig.2).The guide must be provided with two mechanical stops at its ends (12) (Fig. 2).
- Gate columns shall have anti-derailment guides on their top (Fig. 3), to avoid the unintentional gate release. The guide must be provided with two mechanical stops at its ends (L) (Fig. 2).

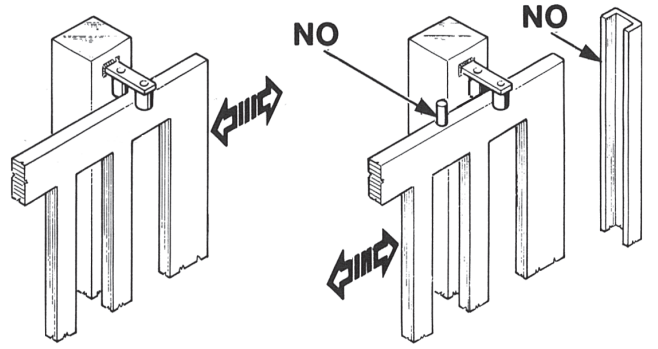
N.B.: Eliminate those mechanical stops of the kind described by pic. 3.
No mechanical stop shall be on top of the gate, since mechanical stops are not safe enough.



2

Parts to install according to EN 12453 standard			
COMMAND TYPE	USE OF THE SHUTTER		
	Skilled persons (out of public area*)	Skilled persons (public area)	Not skilled persons
Hold-to-run operation	A	B	Not possible
Impulsive - in sight (e.g. push-button)	C or E	C or E	C and D, or E
impulsive - out of sight (e.g. remote)	C or E	C and D, or E	C and D, or E
automatic	C and D, or E	C and D, or E	C and D, or E

* a typical example are those doors which do not have access to any public way
A: Hold-to-run operation made by push-button ex: code ACG2013
B: Hold-to-run operation made by key selector ex: code ACG1010
C: Adjustable power of the motor or photocells to respect impact forces as indicated in Annex A
D: Safety strips and/or other additional devices to reduce the probability of contact with the door.
E: Devices installed in such a way that a person can not be touched by the door.



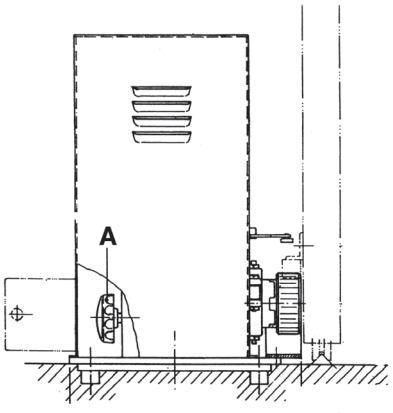
3

EMERGENCY RELEASE

To be undertaken after disconnecting power supply.

The operator is irreversible and keeps the door closed even without a lockset.
To open the gate manually, in open the motor cover and turn the knob «A» anti-clockwise.
To restore electric working you have to turn the lever clockwise (Fig. 4).
In order to carry out the manual operation of the gate leaf the followings must be checked:

- That the gate is endowed with appropriate handles;
- That these appropriate handles are placed so to avoid safety risks for the operator;
- That the physical effort necessary to move the gate leaf should not be higher than 225 N, for doors/gates for private dwellings, and, 390 N for doors/gates for commercial and industrial sites (values indicated in 5.4.5 of the EN 12453 norm).



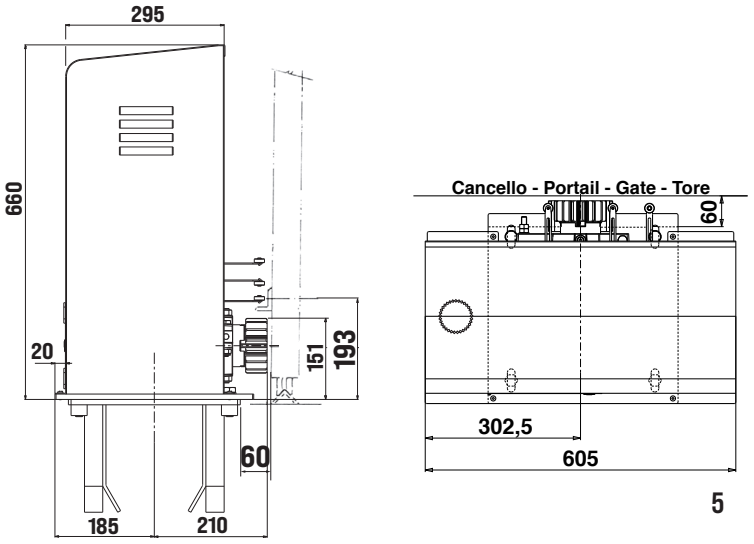
4

MOTOR AND RACK INSTALLATION

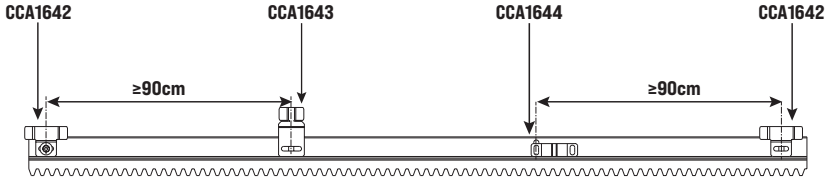
SUPER 8000 INV has a plate to be cemented to the ground and is locked in place by the four supplied 14x45 hex bolts using a N° 22 setscrew wrench.
The rack must be fixed at a certain height with respect to the motor base.
This height can be varied thanks to the slots on the rack.
The rack must not be welded, but simply fixed to the gate with threaded screws.
The height needs to be adjusted so that the gate does not rest on the reduction unit traction gear (Fig. 5,6).
Holes with a diameter of 7 mm should be made to fix the rack into the gate, and they should be threaded using a M8 type screw tap.
The pinion must have a clearance of 1 to 2 mm with respect to the rack.

LIMIT SWITCH ADJUSTMENT

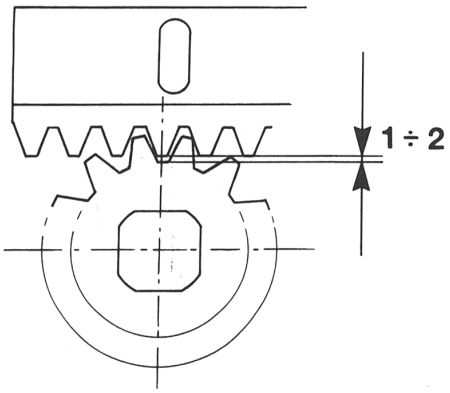
SUPER 8000 INV has 4 independent watertight limit switches mounted on the motor-reducer, that are set to command the start of the deceleration and the stop of the movement of the gate in both direction.



5



Measurements in mm

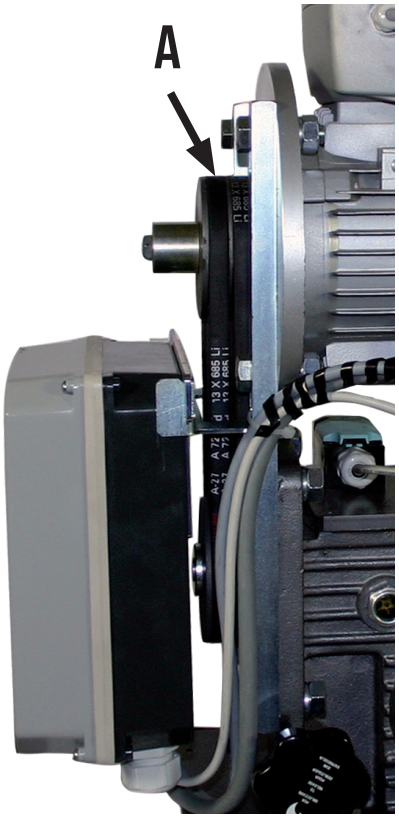


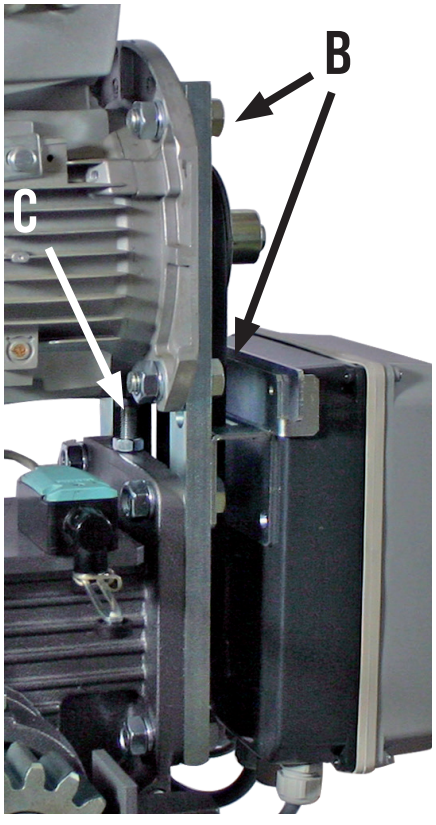
Fix the decelaration cams CCA1643 and CCA1644 as shown in the drawing.

6

ADJUSTING THE V-BELTS

SUPER 8000 INV has two V-belts (A) that transmit power from the motor unit to the reduction gear. These two belts are adjustable and their tension can be varied by shifting the motor unit in height.
To do this, use a N° 22 wrench to release the four bolts (B) that fix the motor to the slideways. Now use a N° 17 wrench to turn the screw (C) between the reduction gear and motor clockwise to slacken the belts, or anticlockwise to tighten them.
NOTE: It is absolutely essential to comply with this procedure to prevent the reduction gear from being excessively stressed by kick-back from the gate when starting, stopping and reversing (the part should be replaced every 2 years).
NOTE: The V-belts will have already been adjusted when SUPER 8000 INV is supplied.



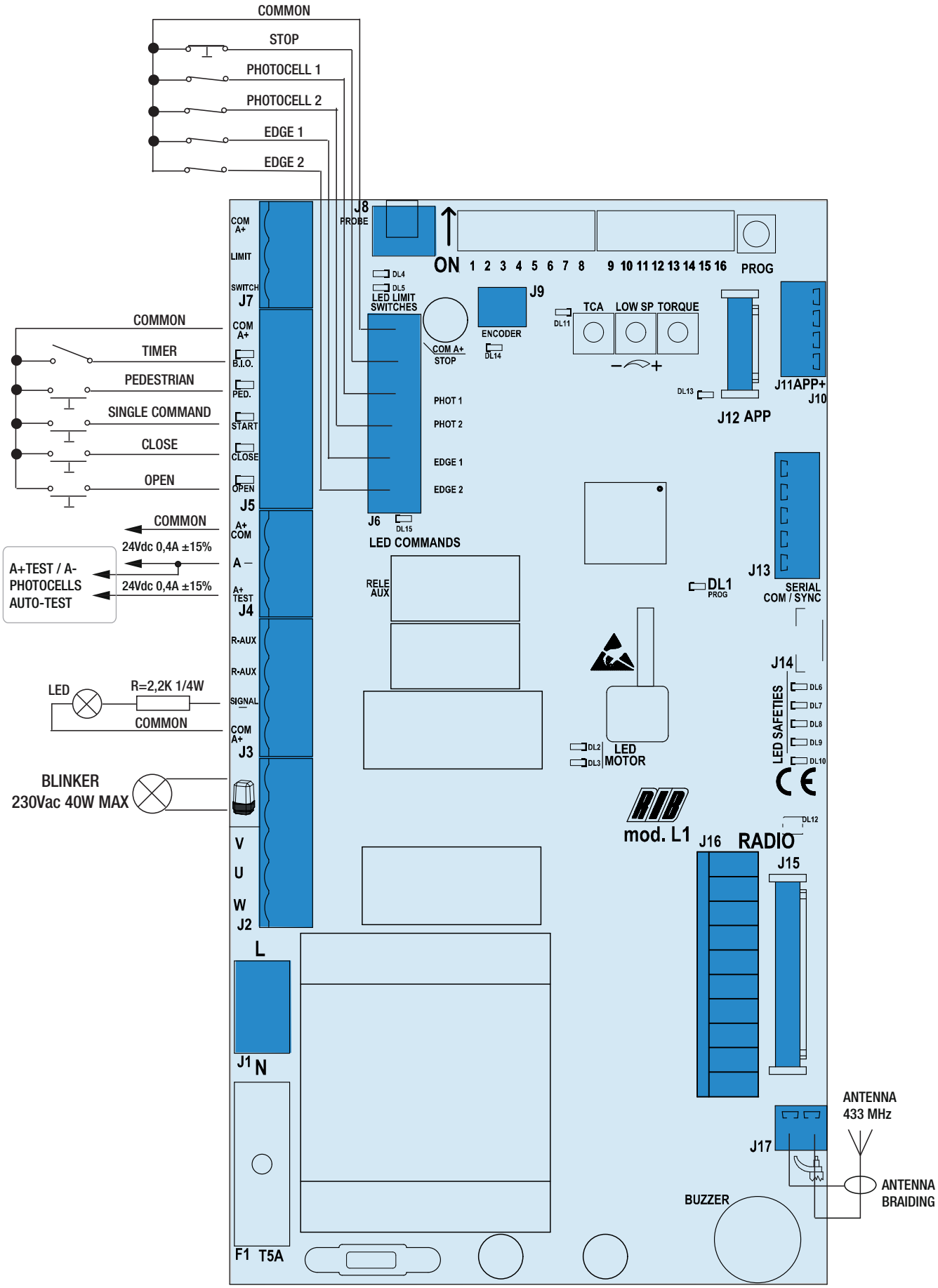


MAINTENANCE

To be undertaken only by specialized staff after disconnecting power supply.
Clean the sliding guide of stones and dirt periodically only when the gate does not move.

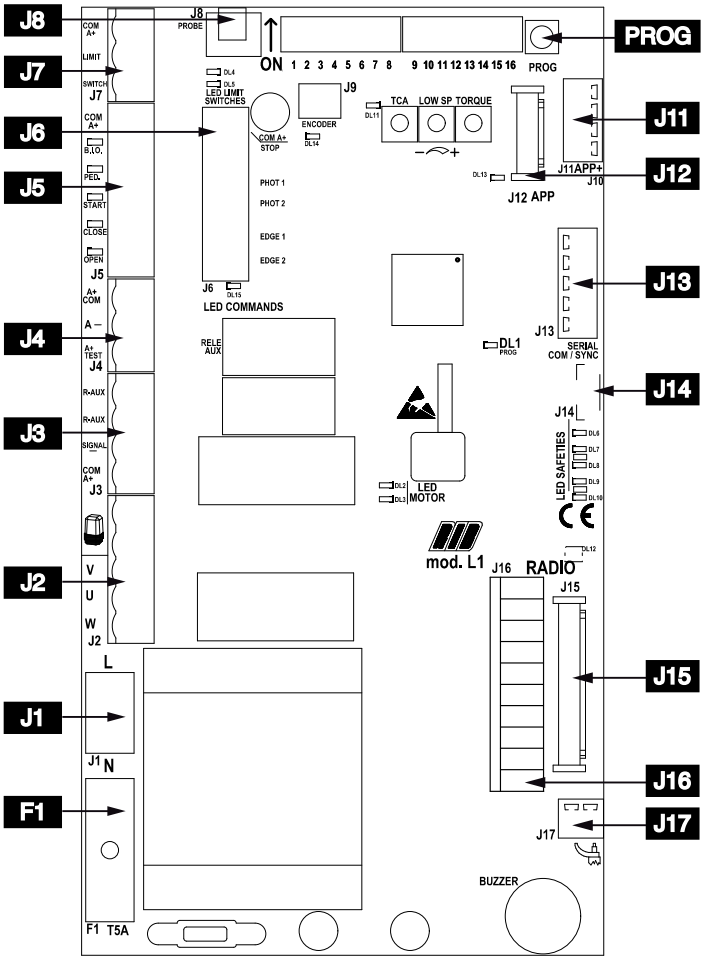
ATTENTION : The box of the Inverter group is sealed. If the seal is removed, the warranty will be considered void.

ELECTRIC CONNECTIONS



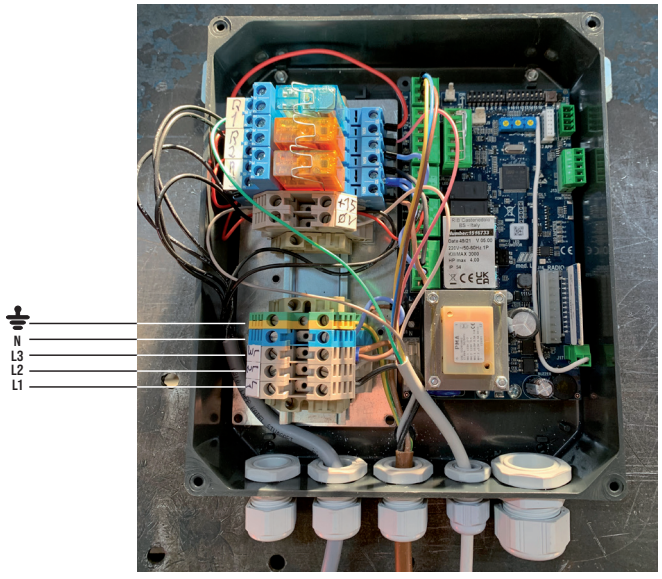
A - CONNEXIONS

J1	L1 - N	230 Vac 50/60Hz power supply (120 Vac 60Hz upon request)
J2		Flashing light (max 40 W)
	U	Motor common connection
	V-W	Motor phases and capacitor connections
J3	R-AUX	IS NOT AVAILABLE
	SIGNAL	Gate open state (24 Vdc 3 W max)
	COM A+	Common contacts / Positive 24 Vdc
J4	A+ COM	+ 24 Vdc accessories power supply / Common contacts
	A-	- 24 Vdc accessories power supply
	A+ TEST	+ 24 Vdc photocells self-test power supply
J5	COM A+	Common contacts / Positive 24 Vdc
	B.I.O.	Contact (NO) dedicated to a clock
	PED.	Pedestrian opening contact (NO)
	START	Single pulse contact (NO)
	CLOSE	Closing impulse contact (NO)
	OPEN	Opening impulse contact (NO)
J6	COM A+	Common contacts / Positive 24 Vdc
	STOP	STOP impulse contact (NC)
	PHOT 1	Photocells contact 1 (NC)
	PHOT 2	Photocells contact 2 (NC)
	EDGE 1	Edge 1 contact (NC)
	EDGE 2	Edge 2 contact (NC)
J7	COM A+	Common contacts / Positive 24 Vdc
	LIMIT SWITCH	Limit switches that cuts OFF the motor
J8	PROBE	IS NOT AVAILABLE
J9	ENCODER	IS NOT AVAILABLE
J10		RS485 termination of J11
J11	APP+	Connector for APP+ card
J12	APP	Connector for APP card
J13	SERIAL COM / SYNC	Connector for serial connection
J14	-	-
J15	RADIO	Connector for radio module AC68069
J16	RADIO	Connector for radio receiver RIB, 24 Vdc supply
J17		433 MHz Radio antenna
	PROG.	Programming button
	TCA	Trimmer for automatic closing time adjustment (DISABLED DEFAULT AND DL11 LED OFF)
	LOW SP	IS NOT AVAILABLE
	TORQUE	IS NOT AVAILABLE
F1	T5A	Fuse for motor protection



Install a Residual Current Circuit Breaker like
ABB F204A-25/0,3

Connect the Three-phase + Neutral power line and earth to terminals **L1, L2, L3, N** and ⏚



Interactive online manuals

POINT B - SETTINGS

DIP 1 **MAINTENANCE CHECK (See Page 14)**
DIP 2 **TIMES PROGRAMMING (See Point C)**
DIP 2-1 **PROGRAMMING OF PEDESTRIAN OPENING (See Point D)**
DIP 1-2 **SAVE/DELETE RADIO CODES FOR COMPLETE OPENING (DIP 1 ON followed by DIP 2 ON) (POINT E)**
DIP 1-3 **SAVE/DELETE RADIO CODES FOR PEDESTRIAN OPENING (DIP 1 ON followed by DIP 3 ON) (POINT F)**
DIP 3 **(ON) - REMOTE PROGRAMMING OF REMOTE CONTROLS DEACTIVATED**
DIP SWITCHES CONTROL
DIP 4 Photocells always active (OFF) - Photocells active only during closing (ON)
DIP 5 Pre-blinking (ON) - Normal blinking (OFF)
DIP 6 Single pulse command (START) and RADIO - step-by-step (ON) - automatic (OFF)
DIP 7 Photocells AUTO-TEST activation (**ON - activated**).
DIP 8-9-10-11 IS NOT AVAILABLE
DIP 12 Activate the radio system SUN (ON) - SUN-PRO (OFF)
DIP 13 OFF: after safety edge impact, stop with short inversion and subsequent stop
ON: after safety edge impact, stop
DIP 14-15-16 OFF-ON-ON

TORQUE TRIMMER - Electronic regulator for motor torque
IS NOT AVAILABLE

LOW SPEED TRIMMER - Electronic regulator for low speed on approach
NOT AVAILABLE as the inverter self-regulates the slowdown in approach

TCA TRIMMER - AUTOMATIC CLOSING pause time regulator for TOTAL or PEDESTRIAN openings by factory NOT ACTIVATED and LED DL11 OFF (trimmer fully rotated counterclockwise)
This trimmer makes it possible to adjust the pause time for total or pedestrian automatic closing. Only with gate completely open (total) or partially open (pedestrian) and LED DL11 ON (trimmer rotated clockwise to activate the feauture).
The pause time (for a totally opened gate) can be adjusted from a minimum of 2 s up to a maximum of 2 minutes.
The pause time (for gate open with PED. control) can be adjusted from a minimum of 2 s to a maximum of 30 s.
Ex: With TCA trimmer setted halfway, you will have 1 minute pause after the total opening and 15 s of pause after the pedestrian opening prior to have the auto-close of the gate.

R-AUX - AUXILIARY RELAY CONTACT (NO)
This relay manages the inverter of the SUPER 8000 INV

ELECTRONIC BRAKE
IS NOT AVAILABLE

GRADUAL START
IS NOT AVAILABLE

LED WARNINGS

DL1	PROG programming activated	(red)
DL2	Gate opening	(green)
DL3	Gate closing	(red)
DL4	Opening limit switch LSO	(green)
DL5	Closing limit switch LSC	(red)
DL6	STOP command (NC)	(red)
DL7	PHOTO 1 contact (NC)	(red)
DL8	PHOTO 2 contact (NC)	(red)
DL9	EDGE 1 contact (NC)	(red)
DL10	EDGE 2 contact (NC)	(red)
DL11	TCA - automatic closure time enabled	(red)
DL12	Remotes programming enabled	(red/green)
DL13	L1 managed by APP	(blue)
DL14	Encoder enabled	(red)
DL15	PROG and RADIO (on MOLEX connector) commands	(green)
B.I.O	Clock command (NO)	(green)
PED.	Pedestrian command (NO)	(green)
START	Single impulse command (NO)	(green)
CLOSE	CLOSE command (NO)	(green)
OPEN	OPEN command (NO)	(green)

PROBE
IS NOT AVAILABLE

POINT C - PROGRAMMING OF COMPLETE OPENING

N.B .: During the programming the safety devices Strips, Photocells and Stop button are active and their performance level is PL "c" according to EN13849-1. Their intervention stops the programming (the led DL1 from flashing remains lit steadily).
N.B .: If the STOP, PHOT 1, PHOT 2, EDGE 1 and EDGE 2 inputs are not connected, make jumpers between COM A+/STOP/PHOT 1/PHOT 2/EDGE 1/EDGE 2 before proceeding with programming. N.B .: In this case the safety Edge, Photocells and Stop button will be ignored.
N.B .: The start slow-down point is automatically determined in the time programming phase and 50 ÷ 60 cm is activated before reaching the opening or closing limit switch.
N.B.: TO REPEAT THE PROGRAMMING REPOSITION THE GATE TO 20 CM FROM THE CLOSING LIMIT SWITCH AND FOLLOW THE PROCEDURES BELOW.

1 - N.B .: POSITION THE GATE TO ABOUT 20 CM FROM THE CLOSING LIMIT SWITCH.
2 - Set **DIP 2 to ON** => LED DL1 will flash briefly.
3 - Press the PROG or START or OPEN button or the button of the remote control dedicated to the total opening (if previously programmed). The gate will start a series of movements. **DO NOT PASS IN FRONT OF THE PHOTOCELLS WHILE THE GATE IS MOVING**. The programming ends when the gate is closed and the DL1 LED is OFF.
4 - AT THE END OF PROGRAMMING, RESET THE DIP 2 ON OFF.

D - PROGRAMMING OF PEDESTRIAN OPENING

With closed gate and closing limit switch engaged (mandatory).
1 - **First set DIP 2 to ON** (LED DL1 flashes quickly) **and after DIP 1 to ON** (LED DL1 flashes slowly).
2 - Press the PED pedestrian button. or the remote control button dedicated to the pedestrian opening (if previously programmed) => The gate opens.
3 - Press the pedestrian button **PED.** to stop the run (thus defining the opening of the gate).
4 - Press the pedestrian button to start closing.
5 - **When the closing limit switch is reached, reset DIP 1 and 2 to OFF.**
During programming, the safety devices are active and their intervention stops the programming (the LED from blinking remains lit steadily and the buzzer sounds for 10 s).
To repeat the programming position the **DIP 1 and 2 on OFF**, close the gate and repeat the procedure described above.

E - RADIO CODES PROGRAMMING PROCEDURE FOR COMPLETE OPENING (1000 CODES MAX) - with radio module ACG8069

ATTENTION: before storing the radio codes, use DIP 12 to select which transmitters to use:
DIP 12 OFF: SUN-PRO variable code transmitters can be memorized:
SUN-PRO 2CH 2-channel - red keys and white led cod. ACG6210
SUN-PRO 4CH 4-channel - red keys and white led cod. ACG6214

DIP 12 ON (by factory): You can store transmitters with fixed code SUN:
SUN 2CH 2-channel - blue keys and white led cod. ACG6052
SUN 4CH 4-channel - blue keys and white led cod. ACG6054
SUN CLONE 2CH 2-channel - blue keys and yellow led cod. ACG6056
SUN CLONE 4CH 4-channel - blue keys and yellow led cod. ACG6058
ATTENTION: it is not possible to memorize at the same time transmitters with fixed code and transmitters with variable code.
Programming can be done only when the gate is stationary.
1 - First set **DIP 1 to ON** and then **DIP 2 to ON**. The LED DL12 flashes red for 10 s.
2 - Press the TRANSMITTER button (usually channel A) within the allotted 10 s. If the remote is memorized properly LED DL12 blinks green and a buzzer tone confirms the correct memorization. The 10 s for programming the codes are automatically renewed, with LED DL12 which flashes red, in order to store the next transmitter.
3 - To finish programming, wait 10 s, or press the PROG button briefly. LED DL12 stops flashing.
4 - Re-set **DIP 1 to OFF** and **DIP 2 to OFF**.

REMOTE PROGRAMMING NEW REMOTE CONTROLS DEDICATED TO TOTAL OPENING
1 - Press the button on the valid remote control dedicated to fully opening the gate 3 times in rapid succession. The buzzer will sound once for 1 second and the flasher will flash for 4 seconds to signal the activation of the procedure.
2 - Immediately then press the same button once on the new remote control(s) you want to register. The buzzer will sound 1 time to confirm the registration of each new remote control. Wait 4 seconds for the procedure to exit. The flasher will turn off.
If you do not want to use this function, set DIP 3 to ON to deactivate it.

ALL RADIO CODES FOR TOTAL OPENING CANCELLATION PROCEDURE
Cancellations can only be performed when gate is stationary.
1 - Set **DIP 1 to ON** and then **DIP 2 to ON**.
2 - LED DL12 flashes red for 10 s.
3 - Press and hold the PROG button for 5 s. Memory cancellation is indicated by two green

flashes of LED DL12 and 2 tones of the buzzer.
4 - LED DL12 flashes red again for 10 s and you can add new codes as shown above.
5 - Re-set **DIP 1 to OFF** and **DIP 2 to OFF**.

RADIO CODES MEMORY FULL INDICATOR (FOR TOTAL OPENING)
Indication is visible only when gate is stationary.
1 - Set **DIP 1 to ON** and then **DIP 2 to ON**.
2 - The LED DL12 flashes green 6 times when the memory is full (1000 codes). Now LED DL12 blinks red for 10 s enabling possible cancellation of all codes.
3 - Re-set **DIP 1 to OFF** and **DIP 2 to OFF**.

F - RADIO CODES PROGRAMMING PROCEDURE FOR PEDESTRIAN OPENING (1000 CODES MAX) - with radio module ACG8069

Programming can be done only when the gate is stationary.
1 - Set **DIP 1 to ON** and then **DIP 3 to ON**. DL12 flashes green for 10 s.
2 - Press the transmitter button (usually channel B) within the allotted 10 s. If the transmitter is properly memorized LED DL12 blinks red and the buzzer emits a tone. The 10 s are automatically renewed (DL12 flashes green) in order to memorize next transmitter.
3 - To finish programming wait 10 s, or press the PROG button briefly. The LED DL12 stops flashing.
4 - Reset **DIP 1 to OFF** and **DIP 3 to OFF**.

REMOTE PROGRAMMING NEW REMOTE CONTROLS DEDICATED TO PEDESTRIAN OPENING
1 - Press the button on the valid remote control dedicated to pedestrian opening of the gate 3 times in rapid succession. The buzzer will sound 2 times for 1 second and the flasher will flash for 4 seconds to signal the activation of the procedure.
2 - Immediately then press the same button once on the new remote control(s) you want to register. The buzzer will sound 1 time to confirm the registration of each new remote control. Wait 4 seconds for the procedure to exit. The flasher will turn off.
If you do not want to use this function, set DIP 3 to ON to deactivate it.

ALL RADIO CODES FOR PEDESTRIAN OPENING CANCELLATION PROCEDURE
Cancellation can only be performed when the gate is stationary.
1 - Set **DIP 1 to ON** and then **DIP 3 to ON**. LED DL12 flashes green for 10 s.
2 - Press and hold the PROG button for 5 s. Memory cancellation is indicated by two red flashes of LED DL12 and two tones of the buzzer.
3 - The red LED DL1 remains active and you can add new codes as shown above.
4 - Reset **DIP 1 to OFF** and **DIP 3 to OFF**.

RADIO CODES MEMORY FULL INDICATOR (FOR PEDESTRIAN OPENING)
Indication is visible only when gate is stationary.
1 - Set **DIP 1 to ON** and then **DIP 3 to ON**.
2 - LED DL12 flashes green 6 times if the memory is full (1000 codes). LED DL12 blinks red for 10 s enabling possible cancellation of codes.
3 - Set **DIP 1 to OFF** and **DIP 3 to OFF**.

FUNCTIONING OF CONTROL ACCESSORIES

STEP-BY-STEP BUTTON (COM A+/START)
DIP 6 ON => It cyclically performs the commands open-stop-close-stop-open etc.
DIP 6 OFF => Opens the gate when closed. There is no effect if activated while opening. If activated when gate is open, the gate closes. If activated while closing, the gate re-opens.

OPEN BUTTON (COM A+/OPEN)
The button controls the opening movement when the gate is stationary. If activated while closing, it re-opens the gate.

B.I.O. BUTTON - OPENS WITH CLOCK FEATURE (COM A+/B.I.O.)
This function is useful during peak hours, when vehicle traffic is slow (e.g. entry/exit of workers, emergencies in parking or residential areas and, temporarily, for moving operations). By connecting a switch and/or a daily/weekly clock to COM A+/B.I.O., you can open and keep the automation open for as long as the switch is pressed or the clock remains active. When the gate is open, all the commands are ignored.
Releasing the switch or at the end of the set time, the automation closes immediately.
Note: By activating the B.I.O. command for a time lower than the opening time (gate that has not yet finished opening), even with an impulse, at the end of opening the gate will close again after the automatic closing waiting time (fw 07.00 or higher .).

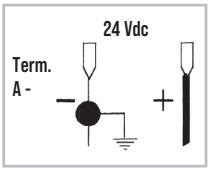
CLOSE BUTTON (COM A+/CLOSE)
Controls the closing movement when the gate is stationary.

TRANSMITTER
DIP 6 ON => It cyclically performs the commands open-stop-close-stop-open etc.
DIP 6 OFF => Opens the gate when closed. There is no effect if activated while opening. If activated when gate is open, the gate closes. If activated while closing, the gate reopens.

PEDESTRIAN OPEN BUTTON (COM A+/PED.)
Partial opening and closing control.
During pedestrian opening, pausing or closing, you can control the opening of any command linked to the L1 board.
With **DIP 6** you can choose the operation mode of the pedestrian push button.
DIP 6 ON => It cyclically performs the commands open-stop-close-stop-open etc.
DIP 6 OFF => Opens the gate when closed. There is no effect if activated while opening. If activated when gate is open, the gate closes. If activated while closing, the gate reopens.

FUNCTIONING OF SAFETY ACCESSORIES

PHOTOCELLS (COM A+/PHOT 1, COM A+/PHOT 2)
NOTE: the transit through the photocells is signaled by a buzzer tone
DIP 4 OFF => if an obstacle is placed in range of the photocells when the gate is closed, the gate does not open. During operation, photocells work when opening (by starting the opening movement only after the obstacle is removed) and closing (by starting the reverse movement only after the obstacle is removed).
DIP 4 ON => if an obstacle is placed in range of the photocells when the gate is closed and the command to open is given, the gate opens (the photocells do not work while opening). Photocells work only during closing (with reverse motion restored after a second, even if they are still engaged).
ATTENTION: In case the receiver led remains lit, malfunctioning of the main supply is suspected.
It is advisable to connect electrically to earth the columns or the photocells stands to the terminal A -, to shield the photocells from external noise.
Be careful not to short circuit the system when the supply phases are inverted!



PHOTOCELLS MONITORING (A+ TEST A-) as required by EN12453 par. 5.1.2
Connect the photocells to **A+ TEST/A-** and set DIP 7 to ON.
The monitoring consists of a functional test of the photocell run before every movement.
The gate movement is therefore permitted only if the photocells have passed the functional test.
CAUTION: MONITORING OF THE PHOTOCELLS INPUTS (PHOTO 1/PHOTO 2) CAN BE ACTIVATED WITH DIP 7 ON OR DEACTIVATED WITH DIP 7 OFF.
WARNING: If the AUTOTEST feature is enabled and only one photocell is connected, a jumper must be made between the PHOT 1 and PHOT 2 terminals. If the jumper is not made, the AUTOTEST fails and the gate will not move.

PHOTOCELL AUTOTEST ALARM (DIP 7 ON)
If the photocell fails the monitoring test, an alarm is displayed by the blinker lighting up and gate movement is not allowed. Normal operation can be restored only by repairing the photocell and pressing one of the controls.

EDGES (SAFETY STRIPS) (COM A+/EDGE 1, COM A+/EDGE 2)
If engaged when closing, EDGE 1 reverses the motion in opening. If edge remains engaged, it doesn't permit the closing.
If engaged during opening, EDGE 2 reverses the motion in closing. If edge remains engaged, it doesn't permit the opening.
If edges are not used, jump the terminals COM A+/EDGE1/EDGE2.
EDGE ALARM
Flasher and buzzer are activated with 2 tones every 5 s for one minute.

EDGE MONITORING (as required by EN12453 par. 5.1.2)
Using the APP card and the RIB GATE App, it is possible to enable monitoring of mechanical edges (NC with 8K2 resistance) and resistive edges (NO with 8K2 resistance).

STOP BUTTON (COM A+/STOP)
The STOP button stops the gate during any operation.
If held when the gate is fully open (or partially when using the pedestrian control) automatic closing is temporarily deactivated (if activated by the TCA trimmer and LED DL11 on). It is therefore necessary to use a new command to make it close.
The automatic closing function is reactivated on the next cycle (if activated by the TCA

trimmer and LED DL11 ON).

FUNCTIONING IN HOLD-TO-RUN MODE WHEN THE SAFETY DEVICES ARE FAILING

If one of the safety edges fails or remains engaged for more than 5 s, or if one of the photocells fails or remain engaded for more than 60 s, the OPEN, CLOSE, START and PED. commands will work only in hold-to-run mode.

The signal that this mode has been activated is given by the blinking of the programming led DL1.

The radio commands and the automatic closing will be excluded, since their use in this mode is not allowed by the norms.

Once the failing safety device is repaired, in automatic after 1 second, all standard commands functioning again so radio commands and the automatic closing will be enabled again.

Note 1: during this functioning in hold-to-run mode, in case of damage to the safety strips (or photocells) the photocells (or safety strips) still work by interrupting the operation in progress.

Note 2: the stop command is not to be considered a safety command that can be bypassed in this mode. Therefore, when pressed or damaged, it will not allow any movement of the gate.

The hold-to-run mode is only an emergency operation which must be activated for a very short period and with the complete installation at sight so to have a secure and safe control of the system. As soon as possible however, the failing safety devices must be repaired and activated.

VISUAL AND SOUND ALARMS

BLINKER

Connect the flashing light to the blinker output, use flashing lights (ACG7072) of 40 W maximum.

PRE-BLINKING

DIP 5 OFF => motor and blinker start simultaneously.
DIP 5 ON => blinker starts 3 s before the motor.

BUZZER

It has the task to signal the intervention of the security, the anomalies and the memorization and cancellation of the radio codes.

SIGNAL - 24 Vdc GATE OPEN WARNING LIGHT (COM A+/SIGNAL-)

Signals when the gate is open, partially open or not closed completely. It turns OFF only when the gate is completely closed.

During opening, it flashes slowly.

When the gate is stationary or opened, it is permanently on.

During closing, it flashes quickly

N.B.: Max 3 W. If warning lights are in excess, the control panel processes will be endangered with possible stop of all operations.

OPERATION AFTER BLACK-OUT

At the time of the blackout, gate status is saved in the memory.

When mains voltage is restored:

If the gate is located on the opening or closing limit switch, operating the control will close or open the gate with the saved data.

If the gate is in intermediate position, operating the control will open the gate slowly until it reaches the opening limit switch. After completing this first movement, the operator will resume work at the set speed.

TECHNICAL SPECIFICATIONS

- Humidity	< 95% without condensation
- Power voltage	230V~ ±10% (120 V/60Hz upon request)
- Frequency	50/60Hz
- Maximum board absorption	30 mA
- Interruptions in electricity supply	100 ms
- Maximum load of open gate output	3 W (equal to 1 3 W bulb or to 5 LEDs connected in series through a resistor of from 2.2 KΩ)
- Blinking unit maximum output load	40 W with resistive load
- Current available for photocells and accessories	400 mA 24 Vdc
- Current available on radio connector	200 mA 24 Vdc

- ALL THE PUSH BUTTONS, INPUTS AND COMMANDS CONNECTED TO THE CONTROL BOARD MUST BE CLEAN CONTACT.

TECHNICAL RADIO SPECIFICATIONS (Only L1-CRX)

- Reception frequency	433,92MHz
- Impedance	52 Ω
- Sensitivity	>2.24µV
- Excitation time	300 ms
- De-excitation time	300 ms
- Codes in store	N° 1000 total

- All the inputs must be used as clean contacts because the power supply is generated internally (safe voltage) in the card and it is set in a way to guarantee the use of the double insulation and reinforced in relation to parts with hazardous voltage.
- Any external circuits connected to the outputs of the control board, must be carried out to make sure the double or reinforced insulation is used in relation to parts with hazardous voltage.
- All the inputs are run by a programmed integrated circuit which carries out a self-check at the beginning of each operation.

MAINTENANCE CHECK

N.B.: During this check the safety functions Edges, Photocells and Stop button are NOT active.

1 - Set **DIP 1 to ON** => LED DL1 starts to flash.

2 - Press and hold the PROG button (the command is hold-to-run, open-stop-close-stop-open-etc ...) => The gate starts at high speed and then slow down until the limit switch is reached.

3 - At the end, put **DIP 1 to OFF**. The DL1 LED turn OFF signaling the exit from the check.

If the motor does not work during this check, check the connections and its capacitor.

If the motor is working properly, check the safety devices.

TROUBLE SHOOTING

Update the firmware of the panel using the APP card and the RIB GATE app.

After having carried out all connections, by carefully following the layout and having positioned the gate in intermediate position, check the correct ignition of red LEDS DL6, DL7, DL8, DL9 and DL10.

In case of no ignition of the LEDS, always with gate in intermediate position, check the following and replace any faulty components.

DL6	OFF	Stop button malfunction (if Stop is not connected, perform the jump between COM A+ and STOP).
DL7 or DL8	OFF	Faulty photocells (In case the edge is not connected, carry out jumper between COM A+ and PHOTO 1/PHOTO 2)
DL9 or DL10	OFF	Faulty safety edge (In case the edge is not connected, carry out jumper between COM A+ and EDGE 1/EDGE 2)
DL12	OFF	the radio module is working correctly.
	ON	the radio module is missing or faulty or not recognized after a power surge.
DL13 blue	ON	Some functions are enabled via smartphone, so via smartphone check the card functions as the dips/trimmers status may not be true.

On the board there are self-resetting fuses which intervene in the event of a short circuit, interrupting the output assigned to them.

In the event of troubleshooting, it is advisable to disconnect all the removable connectors and insert them one at a time in order to more easily identify the cause of the fault.

TABLE SUMMARISING VISUAL AND SOUND ALARMS SIGNALS DURING PROGRAMMING SEQUENCE			
EVENT	**BUZZER STATUS**	**FLASHER STATUS**	**DL1 LED STATUS**
DIP 1 ON (hold-to-run mode) Or failure of a safety device	OFF	OFF	Flashes ON/OFF 250 ms
DIP 2 ON (full stroke programming)	OFF	OFF	Flashes ON/OFF 500 ms
DIP 2 ON > DIP 1 ON (pedestrian stroke programming)	OFF	OFF	Flashes ON/OFF 500 ms
Programming sequence stopped due to intervention of a safety device	10 s tone with 2 s pause	OFF	On steady
EVENT	**BUZZER STATUS**	**FLASHER STATUS**	**DL12 LED STATUS**
No transmitter code entered	OFF	OFF	Flashes red/green
DIP 1 ON > DIP 2 ON - transmitter code programming for full opening	OFF	OFF	Flashes red for 10 s
DIP 1 ON > DIP 3 ON - transmitter code programming for pedestrian opening	OFF	OFF	Flashes green for 10 s
Correct transmitter codes programming for full opening	1 Tone	OFF	Turns green once
Correct transmitter codes programming for pedestrian opening	1 Tone	OFF	Turns red once
Remote control code not present in memory	OFF	OFF	Turns red once
Memory saturated by remote control codes (1000 codes saved)	OFF	OFF	Runs 6 green flashes
Radio code deletion for full opening, pedestrian opening	2 Tones	OFF	Runs 2 green flashes
WARNING SIGNALS DURING OPERATION			
EVENT	**BUZZER STATUS**	**FLASHER STATUS**	**LED STATUS AND SIGNAL OUTPUT**
Stop button pressed	OFF	OFF	Led DL6 turns OFF
Photocell intervention	1 Tone	OFF	Led DL7-8 turns OFF
Edge intervention	2 Tones	OFF	Led DL9-10 turns OFF
Failure of a safety device or safety device engaged for too long	OFF	OFF	Led DL1 flashes ON/OFF 250 ms
Alarm from edge	2 Tones every 5 s for 1 minute (It is renewed by giving a command)	Flashes for 1 minute	No led combined
Failed photocells auto-test alarm	4 Tones every 5 s for 1 minute (It is renewed by giving a command)	OFF	No led combined
Functional block activated by smartphone	OFF	OFF	Led DL12 is steady on green.
Achievement of set cycles	6 Tones every 5 s (It is renewed by giving a command)	OFF	No leds matched
Energy saving activated by smartphone	OFF	OFF	Blue led flashes once every 5 s
Alarm from Self-learning failed	Continuous tone for 10 s with 2 s pause. Not active when **DIP 2 in OFF**	OFF	No leds matched

FAULT	SOLUTION
After having carried out the various connections and having supplied voltage, all the LEDS are switched OFF.	**On the board there are self-resetting fuses which intervene in the event of a short circuit, interrupting the output assigned to them.** **In the event of troubleshooting, it is advisable to disconnect all the removable connectors and insert them one at a time in order to more easily identify the cause of the fault.** Check the integrity of fuse F1. In case of interrupted fuse use only of adequate value F1 = T 5A Fuse for motor protection
The gate opens but does not close after the time set.	Make sure that the TCA trimmer is activated with LED DL11 ON. B.I.O. contact always on / green led on => check the status of the clock connected to B.I.O. input. Photocells Auto-test failed => check the connections between the control panel and the photocells.
The gate does not open or close by activating the various START, RADIO, OPEN and CLOSE buttons.	Faulty safety edge contact. Faulty photocells contact with **DIP 4 OFF**. => Fix or replace the faulty contact. Photocells Auto-test failed => check the connections between the control panel and the photocells.
By activating the START, OPEN or CLOSE button the gate does not move.	START, OPEN or CLOSE command always active. Check and replace any buttons or micro-switches of the selector switch.
Safety occurred during the slow speed phase and the gate reversed the movement at slow speed, stopping before completing the opening.	It's normal. Press the CLOSE command. The gate will close at slow speed. Once the close limit switch has been pressed, by giving an opening command the operator will start at high speed. Alert pedestrians not to transit during gate movement, especially while close to completing the closing movement. IT'S VERY DANGEROUS!
When the gate is completely closed and the closure limit switch is pressed, giving the opening command the operator does not start at high speed.	1 ° IMMEDIATELY CUT OFF THE POWER SUPPLY ! The inverter box has been opened without authorization and the microswitches SW1 and SW2 have been set to ON. Reposition them in OFF. If an antenna wire is connected to the cover and you do not know how to reconnect it properly, remove it to avoid creating a short circuit by closing the cover. DO NOT LEAVE SCORES OR METAL DEPOSITS OF ANY KIND ON THE ELECTRONIC CIRCUIT. 2nd: If giving a command to the engine you do not hear the electrobrake being released, then the brake magnet is damaged. Giving continuous commands will burn the inverter because it will be subjected to continuous voltage peaks that will overheat it too much. Order a brake magnet replacement. In the meantime, unlock the operator and operate the gate manually.
Now that you have finished the system, you want the gate to be faster than how it was set.	Send your request to ribind@ribind.it attaching photographs of the door, its weight, the speed you want. You will be contacted as soon as possible. BY REMOVING THE INVERTER COVER YOU WILL NOT HAVE ACCESS TO ANY DEVICE THAT WILL MAKE YOU VARYING THE OPERATOR'S SPEED. YOU WILL ONLY INVALIDATE THE WARRANTY.

ACCESSORIES - For the connections and the technical data of the optional equipments follow the relevant handbooks.

PLATE TO BE CEMENTED

code ACG8105

MODULE 6 RACK

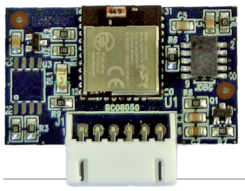
with CATAPHORESIS treatment, right angle in 2 m - 6,56 feet bars. code ACS9090

RADIO TRANSMITTER SUN

SUN 2CH	cod. ACG6052	SUN 4CH	cod. ACG6054
SUN CLONE 2CH	cod. ACG6056	SUN CLONE 4CH	cod. ACG6058
SUN-PRO 2CH	cod. ACG6210	SUN-PRO 4CH	cod. ACG6214

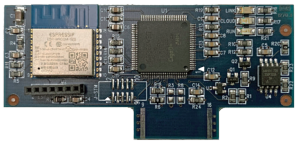
NOVA - NOVA WIRELESS EN12978 - EN13849-2

PHOTOCELLS NOVA - range 25 m code ACG8046
PHOTOCELLS NOVA WIRELESS - range 25 m - 3 years batteries life code ACG8047
PAIR OF COLUMNS for NOVA code ACG8039

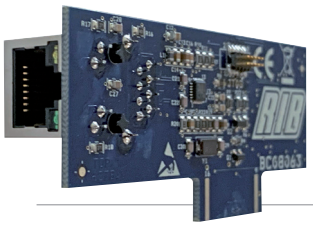


APP8050 APP card
to manage the control panel using Bluetooth 4.2 transmission

APP8054 APP+ card
to manage the control panel using Bluetooth 4.2 transmission



APP8064 Wi-Fi module for APP+ card
to manage the control panel using the local Wi-Fi network (WLAN)

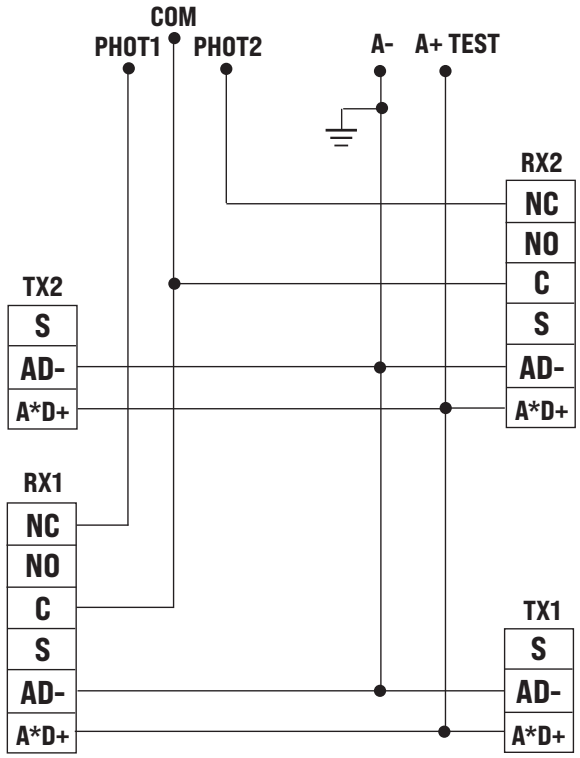


APP8066 RJ45 module for APP+ card
to manage the control panel using the local network (LAN)

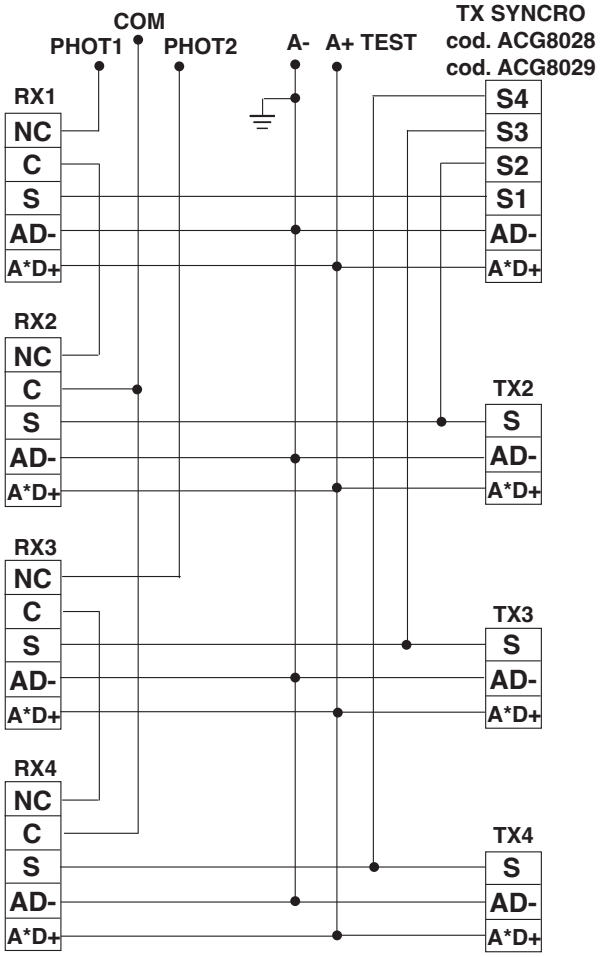
APP8060 Clock module for APP+ card
to add access control features to the control panel

PHOTOCELLS CONNECTIONS

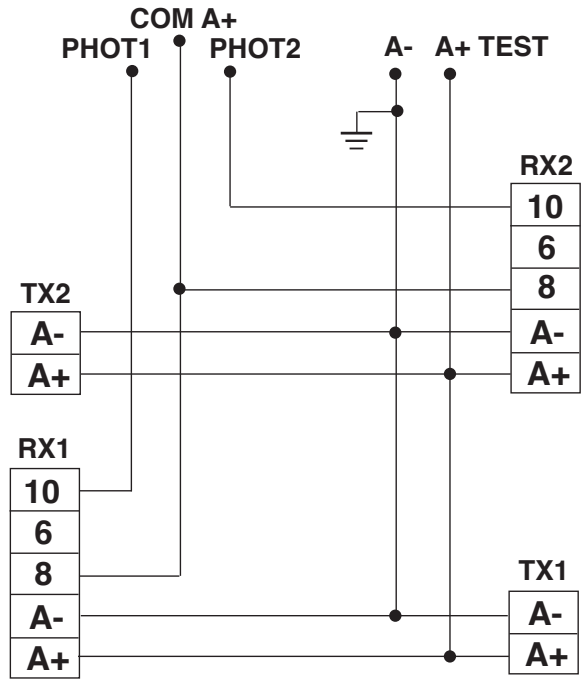
2 photocells FIT SLIM, FIT SYNCRO with self-test



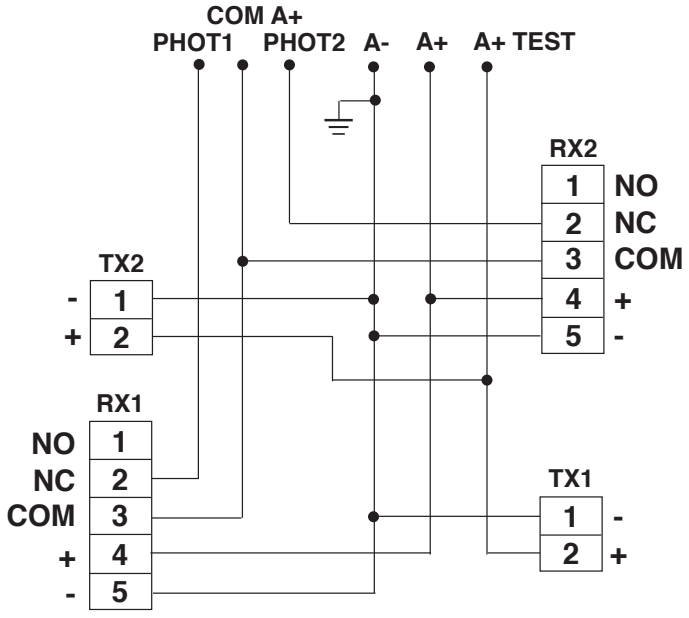
4 FIT SLIM / FIT SYNCRO photocells with self-test and infrared signal synchronizer



2 photocells F97P, F97I with self-test

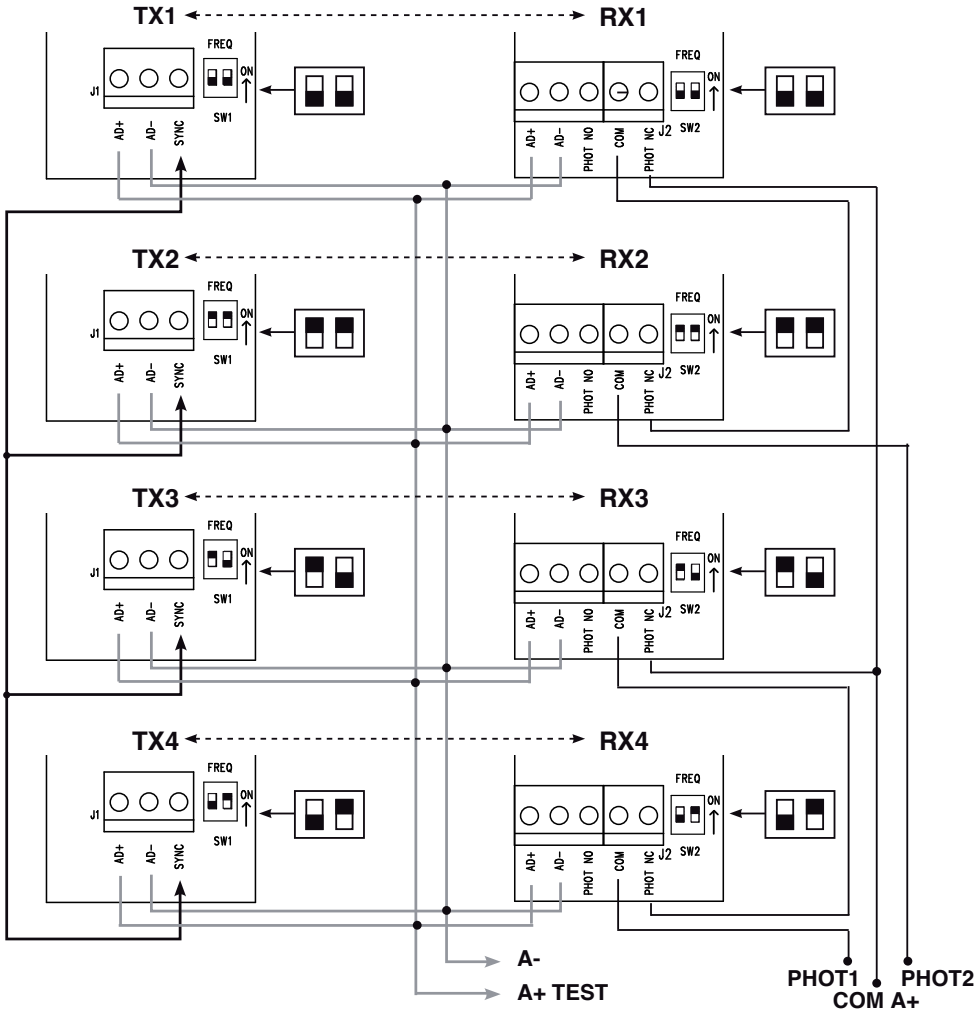


2 photocells FIT METAL with self-test



PHOTOCELLS CONNECTIONS

4 NOVA photocells synchronized with self-test

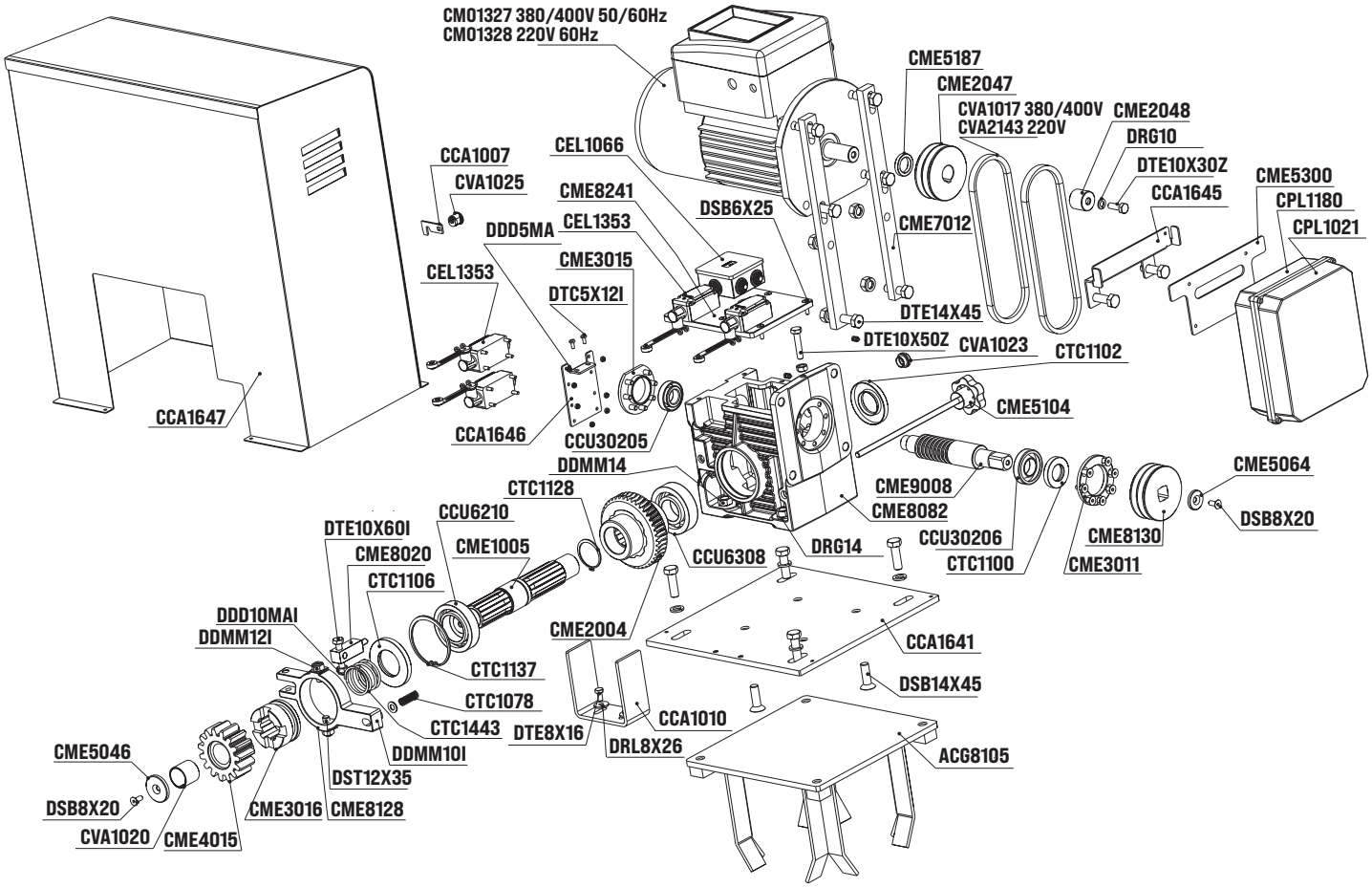


WARNING: If the AUTOTEST feature is enabled and only one photocell is connected, a jumper must be made between the PHOT 1 and PHOT 2 terminals. If the jumper is not made, the AUTOTEST fails and the gate will not move.

WhatsApp
NEWS

NEWS

WhatsApp
CHAT



Code	Description	Code	Description	Code	Description
BA03300	GR. QUADRO SUPER 8000 INV	CME5064	RONDELLA DI TENUTA CAMME SUPER	DDMM14	DADO 14MA MEDIO UNI 5588
BA38010	GR. RID. SUPER 8000 INV	CME5104	MANOPOLA PER SBLOCCO SUPER 6/8	DRD8CON	ROND.DENT.CONICA D=8 DIN 6798
CCA1007	GANCIO SERR.NORMAL/RAPID METAL	CME5187	ROND.DISTANZ.X PUL.HP4 MOD1300	DRG14	ROND.GROWER D=14 UNI 1751-A
CCA1010	PROTEZ.INGR. SUPER6/8000 GBC(G	CME7012	GUIDA SCORR.MOT.SUPER 6/8000	DRL10X26	ROND. PIANA 10,5X26X2,5
CCA1641	PIASTRA BASE SUP.8000 GBC GEWI	CME8020	BLOCCHETTO X BIELL SBL.SUPER 6	DRL4X12Z	ROND. PIANA 4X12
CCA1642	CAMME FC AP-CH SUPER 8000 INV	CME8128	BIELLA DI SBLOCCO SUPER 6/8000	DRL8X26	ROND. PIANA 8.5X26X2.5 zincata
CCA1643	CAMME FC RALLENT.1 SUPER 8000 INV	CME8130	PULEG..D.P.90 X SUPER 6000 GBC	DSB14X45	VITE TSPEI 14X45 UNI 5933 ZINC
CCA1644	CAMME FC RALLENT.2 SUPER 8000 INV	CM01327	MOTORE 380/400V 3P 50/60Hz	DSB8X20	VITE TSPEI 8X20 ZINC. UNI5933
CCA1645	SUPPORTO GR.Q.COM. SUPER 8000 INV	CM01328	MOTORE 220V 3P 50/60Hz	DST12X35	GRANO M12X35 ZINCATO UNI 5923
CCA1646	SQUADRA SUP.MIC.RAL.SUPER 8000 INV	CTC1056	MOLLA PREMINNESTO SUPER 6/8000	DTC4X6Z	VITE TC.CR. 4X6 UNI 7687
CCA1647	CARTER SUPER 8000 INV G6B (BM	CTC1078	MOLLA SPINGI DISCO FRENO Z.B	DTC5X12I	VITE TC.CR. 5X12 METRICA INOX
CEL1066	SCAT. DERIV.80X80X40 FAEGFG134	CTC1376	ANELLI DI RASAMENTO 28-40-0,5	DTC5X40Z	VITE TC.CR. 5X40 UNI 7687
CEL1353	FINEC. 3SE5 112-0CH50	CVA1017	CINGHIOLO A-27 SUPER 8000 380/400V 3P	DTC5X6Z	VITE TC.CR. 5X6 UNI 7687
CEL1494	PRESSACAVO LCM20G M20x1,5	CVA1020	BOCCOLA MB 35-35 DU	DTE10X25Z	VITE TE 10X25 ZINCATA 5739 220V 3P
CEL1815	MORS. MAMMUT 8 POLI OK 433/08	CVA1025	CILIND.SELETT.2251 16NK1RI14RL	DTE10X50Z	VITE TE 10X50 ZINCATA 5739 400V 3P
CME2047	PULEG.DP.90 R-60/SUP.6000 GBC	CVA1141	TAPPO SERR.CARTER SUPER ART951	DTE14X45	VITE TE 14X45 ZINCATA 5739
CME2048	BUSSOLA X R60 2øVELOCITA›	CVA2143	CINGHIOLO A-26 SUPER 8000 220V 3P	DTE8X18	VITE TE 8X18 ZINCATA 5739
CME3016	GIUNTO INNESTO SUPER 6/8000	DAC29X16	VITE AUT.TC.CR.2,9X16 7981	DTM10X60Z	VITE TE 10X60 UNI 5737
CME4015	INGR. TRAINO SUPER 6/000	DDMM10	DADO 10MA MEDIO UNI5588		
CME5046	PIATTELLO DI FERMO IND/R60/SUP	DDMM12Z	DADO 12MA MEDIO UNI 5588		

إقرار التضمين للماكينة شبه المكتملة - توجيه الماكينات EC/2006/42، الملحق الثاني، "ب"

Declaration of incorporation for partly completed machinery - Machinery Directive 2006/42/EC, Annex II., B

R.I.B. S.r.l. - Via Matteotti, 162 - 25014 Castenedolo - Brescia - Italy
Tel. ++39.030.2135811 - www.ribind.it - ribind@ribind.it

موديل الجهاز: Apparatus model : **SUPER 8000 INV L1-CRX**	الغرض من الإقرار: Object of the declaration :			

تم تطبيق المتطلبات الأساسية التالية لتوجيه الماكينات (EC/2006/42) والالتزام بها:

· ألفت الوثائق التقنية ذات الصلة طبقا للباب "ب" من الملحق السابع؛ إن مثل هذه الوثائق، أو أجزاءها، سوف تُرسل بالبريد أو بوسائل إلكتروني استجابة للطلب المقدم والمستلم من السلطات الوطنية المعنية.

· **هذه ماكينة مكتملة تقريبا، وهي مطابقة لبنود وأحكام التوجيهات الأوروبية الأخرى: التوجيهان EU/2014/30 و EU/2014/35**

· طُبقت جميع المتطلبات الأساسية ذات الصلة كما هي واردة في الملحق الأول من التوجيه الأوروبي EC/2006/42 على المنتج. يوفر الامتثال للمعايير المتسقة المذكورة افتراضا للمطابقة مع المتطلبات الأساسية المحددة طبقا للتوجيه الذي تغطيه هذه المعايير أو تمثل أجزاءًا منه.

⚠ **تحذير: قد تُطبق متطلبات أخرى أو توجيهات أوروبية أخرى على المنتجات التي تندرج تحت نطاق هذا الإقرار.**

The following essential requirements of the Machinery Directive (2006/42/EC) and UK Supply of Machinery (Safety) Regulations 2008 are abided by and applied:

· The relevant technical documentation is compiled in accordance with Part B of Annex VII; such documentation, or parts of it, will be sent by post or by electronic means, in response to a motivated request received from the qualified national authorities.

· This almost complete-machinery is conformed with the provisions of these others EC directives: **Directives 2014/30/UE, 2014/35/UE and 2014/53/UE** and UK **Electromagnetic Compatibility Regulations 2016, Electrical Equipment (Safety) Regulations 2016, Radio Equipment Regulations 2017**

· All relevant essential requirements as given in Annex I of the EU Directive 2006/42/EC have been applied to the product. Compliance with the cited harmonized standards provides presumption of conformity with the specified essential requirements of the Directive covered by those Standards or parts thereof.

⚠ **Other requirements and other EU/UK Directives may be applicable to the products falling within the scope of this Declaration**

إن الغرض من الإقرار المذكور أعلاه يتوافق مع تشريع الاتساق المعني والخاص بالاتحاد:

The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:

BS EN 12453:2022	**BS EN 13849-2:2013**	**BS EN 55014-1:2023**	**BS EN 61000-3-2/A2:2024**	**BS EN 61000-6-4:2022**
BS EN 12635:2009	**ETSI EN 300 220-1 v3.1.1:2017**	**BS EN 55014-2:2024**	**BS EN 61000-3-3/A2:2024**	
BS EN 12978:2025	**ETSI EN 300 220-3-1 v2.1.1:2016**	**BS EN 60335-1/A16:2024**	**BS EN 61000-6-1:2019**	
BS EN 13241:2016	**BS EN 301 489-1 V2.2.3:2019**	**BS EN 60335-2-103:2023**	**BS EN 61000-6-2:2019**	
BS EN 13849-1:2023 PL»c» CAT2	**BS EN 301 489-3 V2.3.2:2023**	**BS EN 60529:1992+A2:2013**	**BS EN 61000-6-3:2023**	

النتج السابق ذكره لا يمكن أن يعمل بصورة مستقلة و إنما هو للتركيب فى شبكة مكونة من عناصر اخرى, الرجوع للمادة 6 فقرة 2 من لوائح 2006/42/الوحدة الأوربية (ألات) و تعديلاتها اللاحقة , و من اجلة نعلن منع وضعة فى الخدمة قبل أن يتم إعلان مطابقة الشبكة التى سيعمل فيها لمواد اللائحة

- This product can not work alone and was designed to be fitted into a system made up of various other elements. Hence, it falls within Article 6, Paragraph 2 of the EC-Directive 2006/42 (Machines) and following modifications, to which respect we point out the ban on its putting into service before being found compliant with what is provided by the Directive.

(Bosio Stefano - Legal Representative - الممثل القانوني)

Castenedolo, 01-03-2025

Cod. CVA2322 - 032025 - Rev.05

صنع في ايطاليا

MADE IN ITALY

· تم تطوير هذا المنتج بالكامل وبنائه في إيطاليا

· **This product has been completely developed and built in Italy**

AUTOMATISMI PER CANCELLI
AUTOMATIC ENTRY SYSTEMS

COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV
ISO 9001