

# **NERGECO**

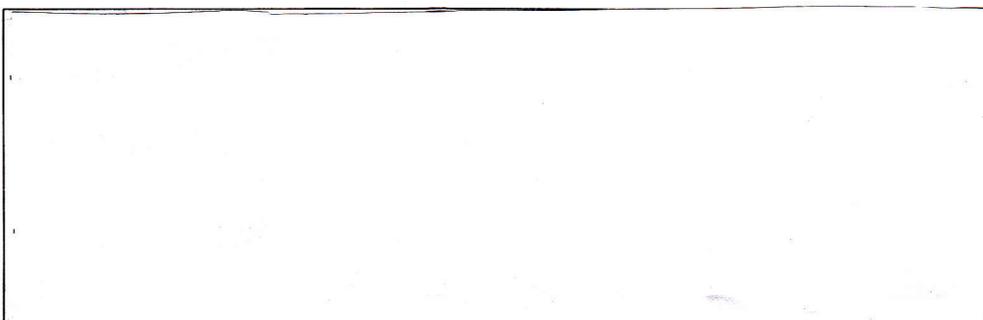
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# **ENTRE//MATIC**

## **FLEXIBLE MOTORISED DOOR**

|                 |                         |
|-----------------|-------------------------|
| POWER VOLTAGE   | 400V 50HZ               |
| CONTROL VOLTAGE | 24 V                    |
| MOTOR POWER     | W63-R15-B14-1,1KW-1500T |

## **CONTROL BOX ELECTRONIQUE**



|                 |                    |
|-----------------|--------------------|
| Nbre of DOOR(S) | 1                  |
| SERIAL          | IS-KAT-0718        |
| TYPE OF DOOR    | ENDURO 5 TREKKING  |
| SCHEMA          | <b>210100_00-B</b> |

### **NERGECO PRODUCTION**

8 Rue de l'industrie  
43200 DUNIERES - FRANCE

Tel : +33 (0)4-71-66-85-98  
Fax : +33 (0)4-71-61-93-87

# NEREGECO

## ENTREMATI

### AUTOMATIC DOOR

POWER VOLTAGE : 230/400VTRI  
 CONTROL VOLTAGE : 24 V  
 MOTOR POWER : 0.25 A 2.2 kW  
 NEREGECO CARD 2006 +

### ELECTRICAL DIAGRAM FOR INDUSTRIAL SITE

CUSTOMER :

Nbre OF DOOR : 1  
 SERIAL :  
 TYPE OF DOOR :  
 (1) JUNCTION BOX CONNECTION : WITHOUT / WITH

| INDEX | MODIFICATIONS         | DATE       | NAME |
|-------|-----------------------|------------|------|
| B     | 2 PHOTO CELL IN FRAME | 29/04/2021 | S T  |
| A     | ORIGINAL VERSION      | 04/01/2021 | S T  |

| SHEET    | DESIGNATION                                   | DATE       |
|----------|---|------------|
| 02       | POWER DIAGRAM                                 | 04/01/2021 |
| 03       | ELECTRONIC PCB IMPLANTATION                   | 04/01/2021 |
| 04-05-06 | PCB JUNCTIONS                                 | 04/01/2021 |
| 07       | PARTS LIST                                    | 04/01/2021 |
| 08       | JUNCTION BOX                                  | 04/01/2021 |
| 09       | TECHNICAL FEATURE                             | 04/01/2021 |
| 10       | AMPLIFIER BOX WITH CABLE SECU 1               | 04/01/2021 |
| 11       | WIRELESS BOX SECU 1                           | 04/01/2021 |
| 12       | SETTING PROCEDURE                             | 04/01/2021 |
| 13       | WIRING CELLS PA12                             | 04/01/2021 |
| 14       | CABLING PHOTOCELLS MOFT MOFR                  | 04/01/2021 |
| 15       | 3-CHANNELS SAFETY AMPLIFIER                   | 04/01/2021 |
| 16       | AMPLIFIER BASE ZPD11                          | 04/01/2021 |
| 17       | SINGLE REFLECTION AND PMT20 PHOTOCELL CABLING | 04/01/2021 |
| 18       | LCD SCREEN INDICATOR                          | 04/01/2021 |

(1) IF DERIVATION BOX

By : S T  
 Date : 04/01/2021

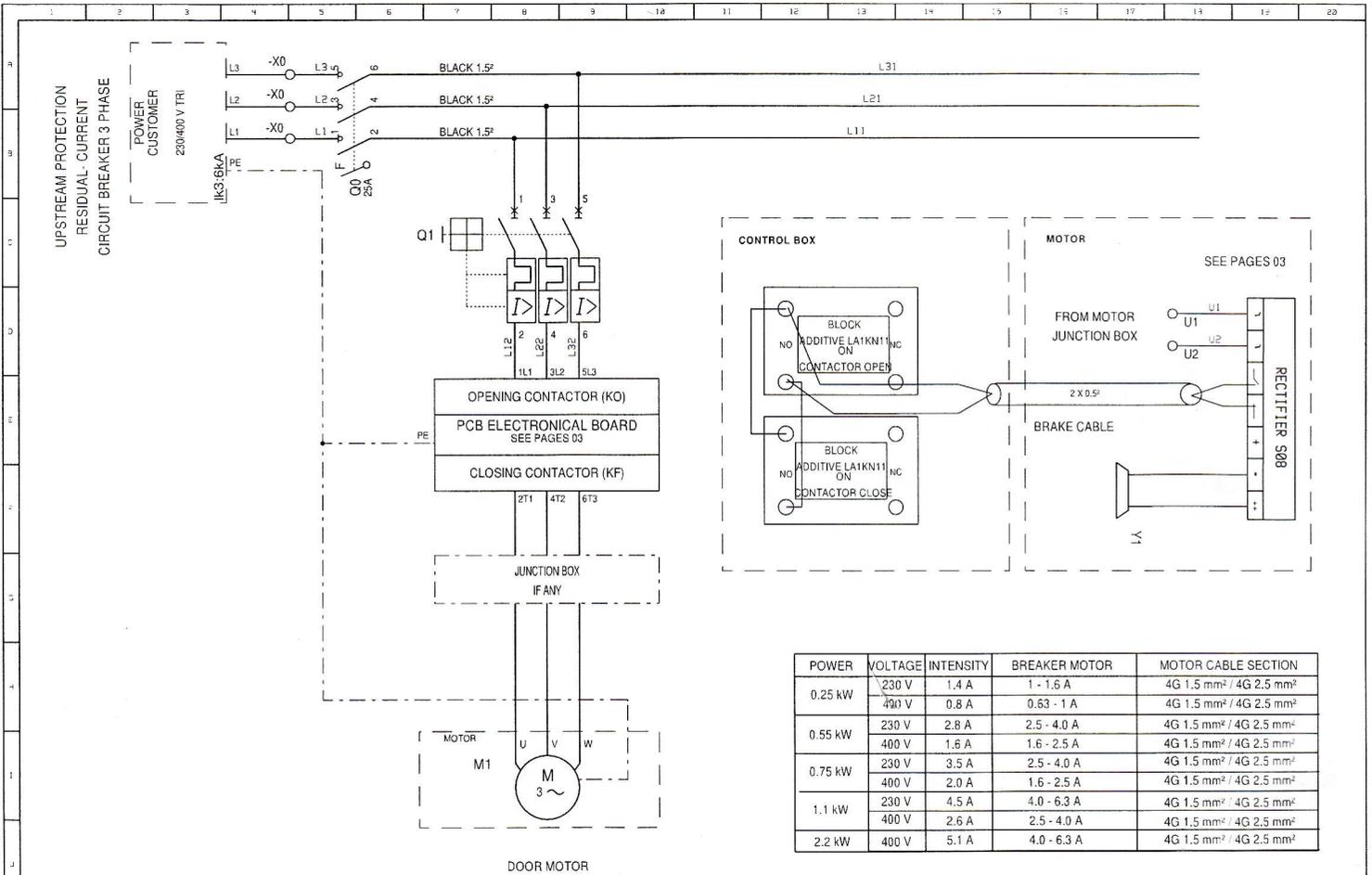
DIAGRAM : 21 01 00

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| POWER   | VOLTAGE | INTENSITY | BREAKER MOTOR | MOTOR CABLE SECTION                             |
|---------|---------|-----------|---------------|---|
| 0.25 kW | 230 V   | 1.4 A     | 1 - 1.6 A     | 4G 1.5 mm <sup>2</sup> / 4G 2.5 mm <sup>2</sup> |
|         | 400 V   | 0.8 A     | 0.63 - 1 A    | 4G 1.5 mm <sup>2</sup> / 4G 2.5 mm <sup>2</sup> |
| 0.55 kW | 230 V   | 2.6 A     | 2.5 - 4.0 A   | 4G 1.5 mm <sup>2</sup> / 4G 2.5 mm <sup>2</sup> |
|         | 400 V   | 1.6 A     | 1.6 - 2.5 A   | 4G 1.5 mm <sup>2</sup> / 4G 2.5 mm <sup>2</sup> |
| 0.75 kW | 230 V   | 3.5 A     | 2.5 - 4.0 A   | 4G 1.5 mm <sup>2</sup> / 4G 2.5 mm <sup>2</sup> |
|         | 400 V   | 2.0 A     | 1.6 - 2.5 A   | 4G 1.5 mm <sup>2</sup> / 4G 2.5 mm <sup>2</sup> |
| 1.1 kW  | 230 V   | 4.5 A     | 4.0 - 6.3 A   | 4G 1.5 mm <sup>2</sup> / 4G 2.5 mm <sup>2</sup> |
|         | 400 V   | 2.6 A     | 2.5 - 4.0 A   | 4G 1.5 mm <sup>2</sup> / 4G 2.5 mm <sup>2</sup> |
| 2.2 kW  | 400 V   | 5.1 A     | 4.0 - 6.3 A   | 4G 1.5 mm <sup>2</sup> / 4G 2.5 mm <sup>2</sup> |

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By : S T  
 Date : 04/01/2021

DIAGRAM : 21 01 00

POWER DIAGRAM

FOUO  
 02  
 ◀ 01 03 ▶  
 Logiciel SEE v. 4.45

**WARNING :**  
**HANDLING TO BE DONE BEFORE THE CONNECTIONS AND WITHOUT POWER SUPPLY**  
 CHECK THE CUSTOMER'S POWER SUPPLY AND ADJUST THE PIN TO THE CORRESPONDING VOLTAGE COMPATIBLE NEUTRAL (EARTH) RÉGIME TN / TT / IT. THE CHANGE OF SWITCHES, PINS AND THE SETTING OF THE TIMERS MUST BE DONE WITHOUT POWER SUPPLY

OPTIONAL: CONNECTOR BLOCK INTERLOCK CARD

**TO INCREASE THE TIMERS TURN CLOCK WISE**

SW1: PROGRAMMING SWITCHES. SEE PAGES 08  
 P1 : MUST BE ADJUSTED ALL THE WAY TO THE END CLOCKWISE

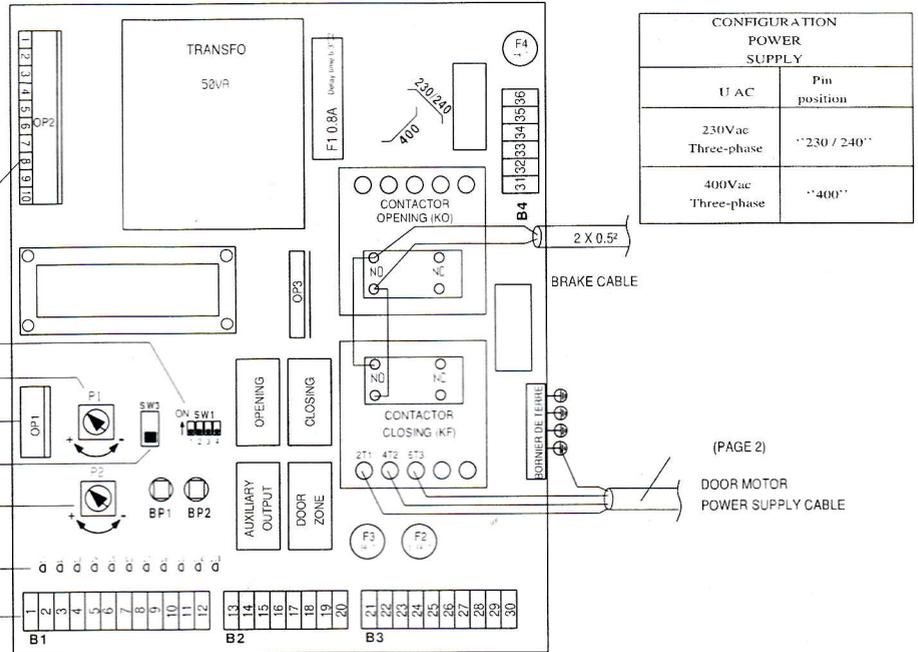
OPTIONAL: CONNECTOR CARD

SWITCH AUTO / MAIN

P2 : ADJUSTMENT OF "DOOR OPEN" TIMER (0 TO 90s)

LEDS INDICATING OPERATING PHASES SEE PAGES 08

JUNCTIONS SEE PAGES 04



(PAGE 2)

DOOR MOTOR POWER SUPPLY CABLE

**FUSES**

F1: 0.8A "Delayed": Protection of the primary of the transformer  
 F2: 1.6A "Delayed": Output flashing light protection  
 F3: 2A Timer: Output protection 24Vac  
 F4: 4A "Delayed": Output protection lighting zone

**OPTIONAL CARDS**

OPTIONAL CARD LOCATION

OP2: Interlock PCB (Option)

(\*) IF OPTION SELECTED REFER TO APPENDED.

| Connection - Capacity          |                           | Soft wire / Copper Without cable-shoe             | Soft wire / Copper Without cable-shoe |
|--------------------------------|---------------------------|---|---------------------------------------|
| Card power supply (see above)  | In the contactor KO       | 1 x 0.75 mm <sup>2</sup> to 2 x 4 mm <sup>2</sup> | 18 - 14 AWG                           |
| Motor power supply (see above) | In the contactor KF       | 1 x 0.75 mm <sup>2</sup> to 2 x 4 mm <sup>2</sup> | 18 - 14 AWG                           |
| Other connections              | TERMINALES B1, B2, B3, B4 | 0.2 to 2.5 mm <sup>2</sup> Flexible or rigid      | 22 - 14 AWG                           |

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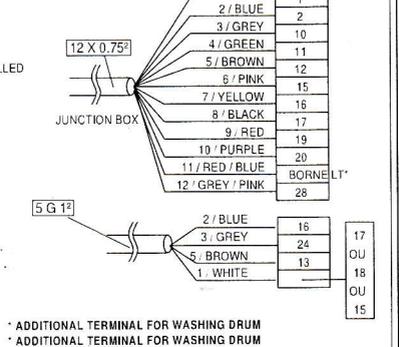
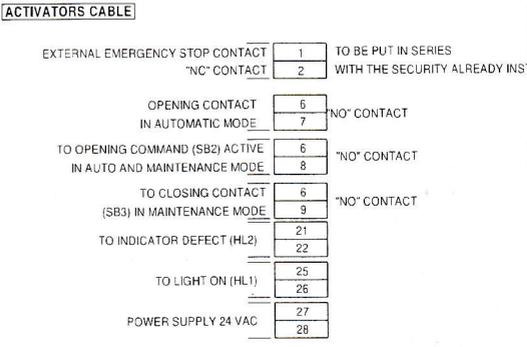
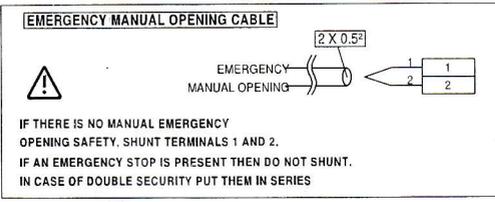
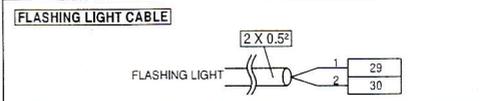
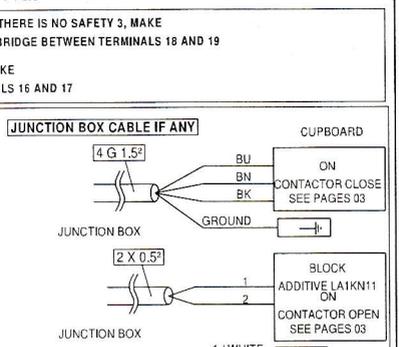
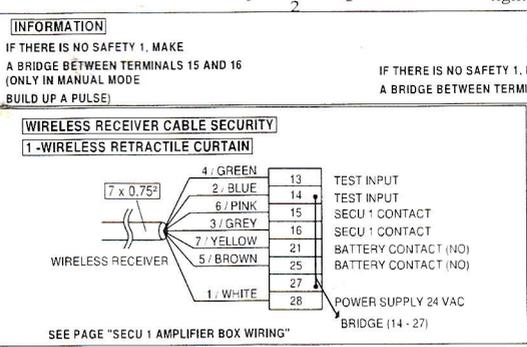
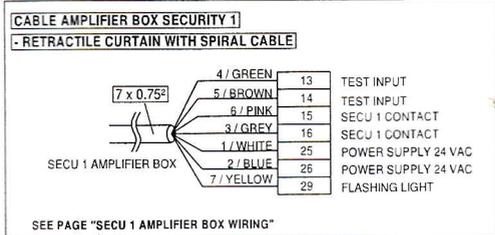
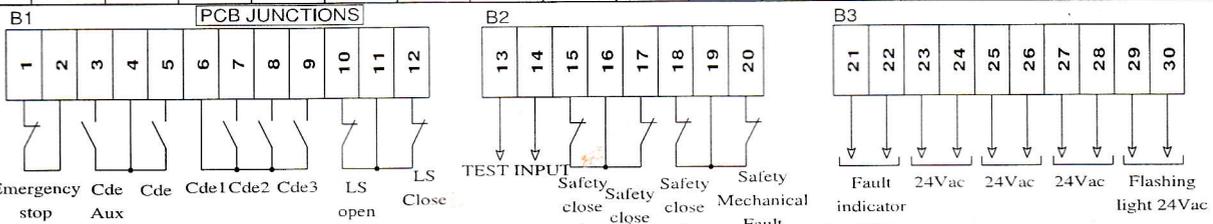
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|       |            | A     | 04/01/2021 | ORIGINAL VERSION      | S T   |
|       |            | INDEX | DATE       | MODIFICATION          | NB/PT |

DIAGRAM : **21 01 00**

**ELECTRONIC PCB IMPLANTATION**

FOLIO **03**  
 02 04

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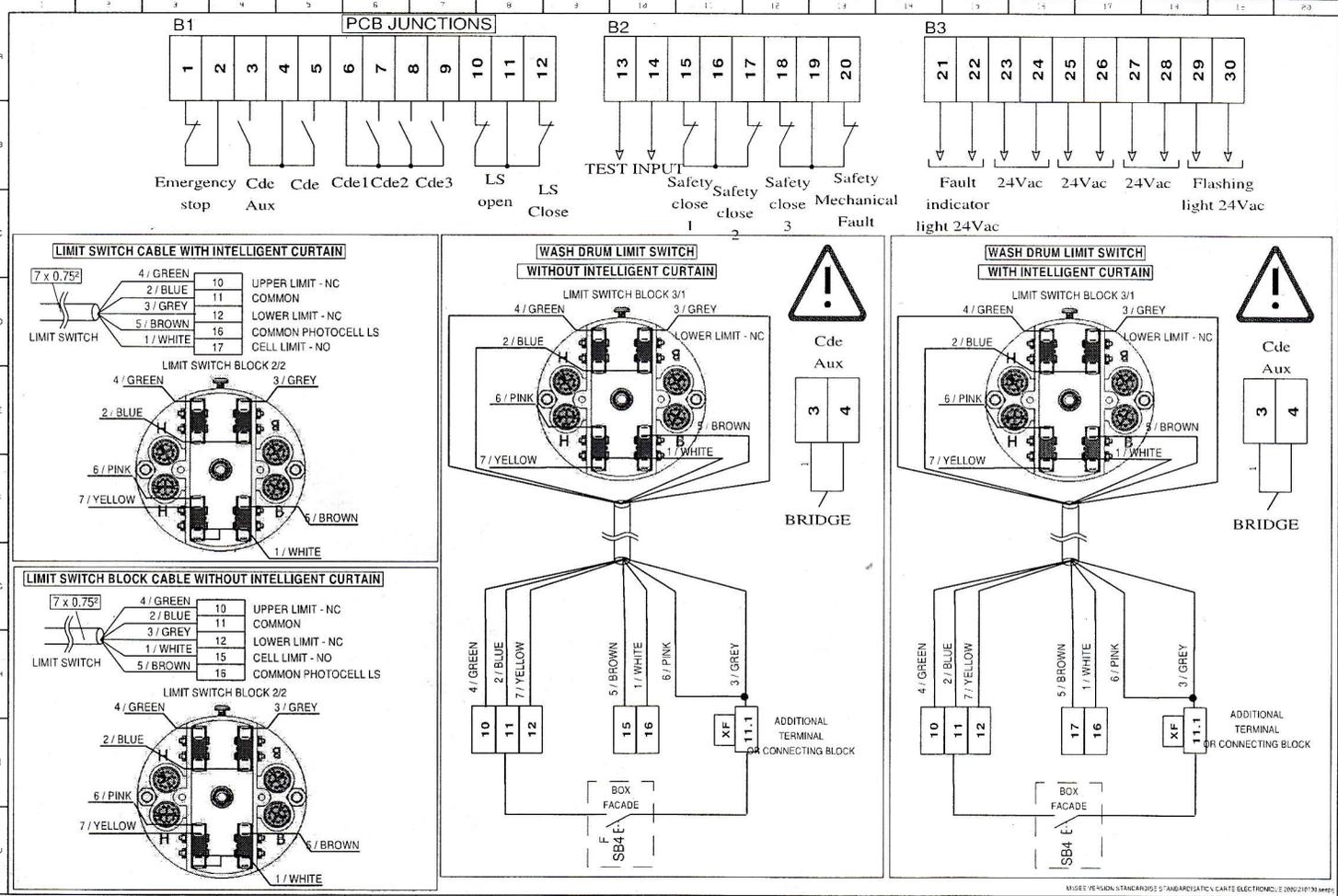
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|       |            | A     | 04/01/2021 | ORIGINAL VERSION      | S T   |
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DIAGRAM : **21 01 00**

**PCB JUNCTIONS**

FOLIO **04**  
 03 05

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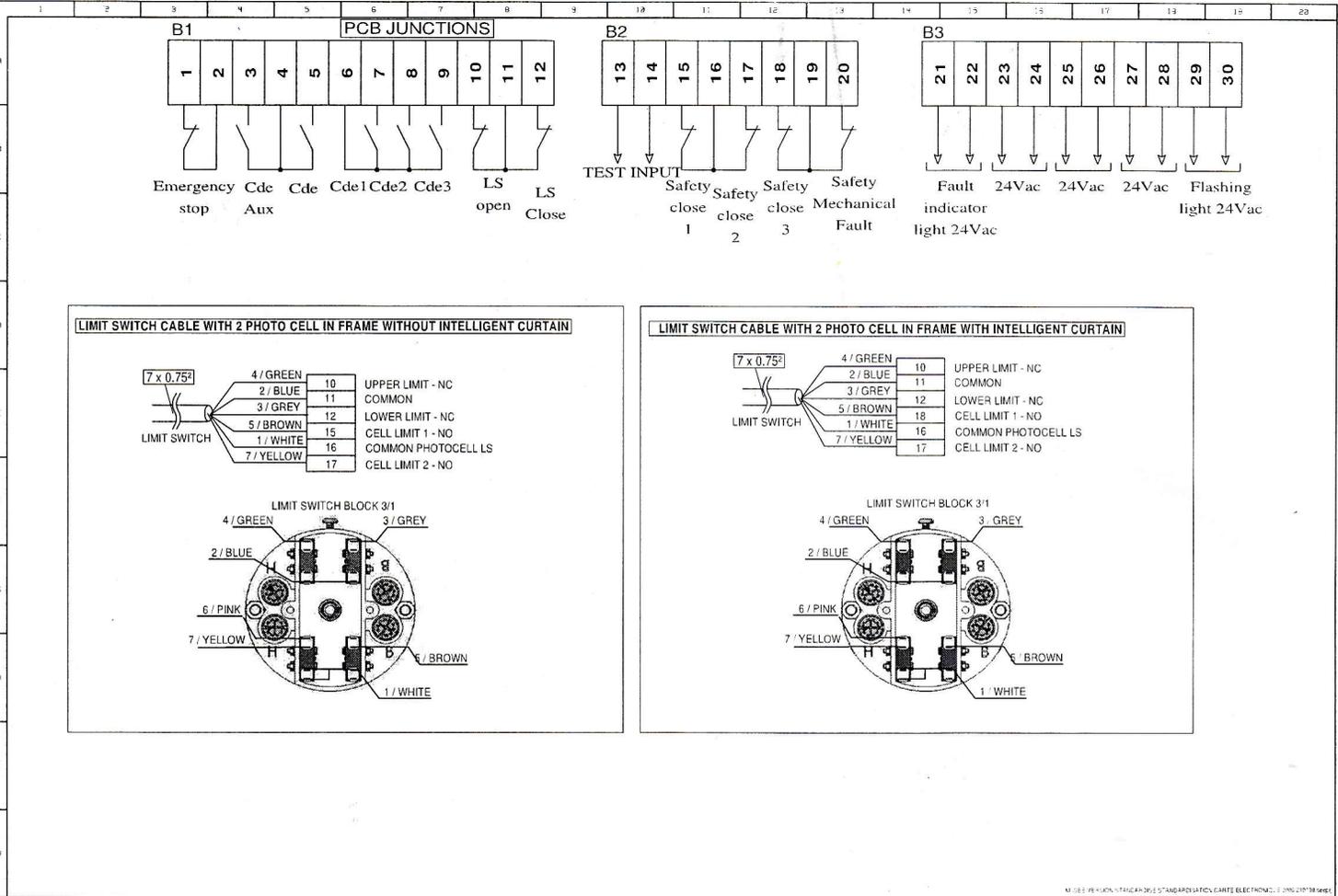
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DIAGRAM: **21 01 00**

**PCB JUNCTIONS** FOLIO **05**  
 ◀ 04 06 ▶  
 Logiciel SEE v. 4.40

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DIAGRAM: **21 01 00**

**PCB JUNCTIONS** FOLIO **06**  
 ▶ 05 07 ▶  
 Logiciel SEE v. 4.40

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| MARKET | QTE            | FUNCTION |                                       |
|--------|----------------|----------|---------------------------------------|
| A      | CUPBOARD       | 1        | IP65 OR IP55 ENCLOSURE WITH SUPPORT   |
|        | PLAQUE CE      | 1        | REF PLATE                             |
|        | RAIL           | 1        | RAIL                                  |
| C      | CARD           | 1        | NERGECO ELECTRONIC PCB                |
|        | Q1             | 1        | MOTOR CIRCUIT BREAKER - REFER PAGE 02 |
| F      | HL1            | 1        | POWER ON INDICATOR                    |
|        | HL1            | 1        | COMPLETE WHITE LIGHT 24 V WITH LED    |
|        | HL2            | 1        | DEFECT STICKER                        |
|        | HL2            | 1        | RED INDICATOR 24V COMPLETE WITH LED   |
|        | Q0             | 1        | GENERAL SWITCH 16A-                   |
|        | Q0             | 1        | YELLOW AND RED EXTERNAL HANDLE        |
|        | SB2            | 1        | COMPLETE PUSH BUTTON - IMPULSE 10 1F  |
|        | SB3            | 1        | COMPLETE PUSH BUTTON - IMPULSE 10 1F  |
| G      | PE             | 1        | NUT 11P PLASTIC                       |
|        | PE             | 3        | NUT 13P PLASTIC                       |
|        | PE             | 2        | NUT 16P PLASTIC                       |
|        | PE             | 5        | NUT 7P PLASTIC                        |
|        | PE             | 5        | NUT 9P PLASTIC                        |
|        | PE             | 5        | CABLE GLAND 7                         |
|        | PE             | 5        | CABLE GLAND 09                        |
|        | PE             | 1        | CABLE GLAND 11                        |
|        | PE             | 3        | CABLE GLAND 13                        |
|        | PE             | 2        | CABLE GLAND 16                        |
| H      | TERMINAL STRIP | 3        | BDJ POWER                             |
|        | TERMINAL STRIP | 1        | BDJ EARTH POWER                       |
|        | TERMINAL STRIP | 2        | STOP TERMINAL                         |
|        | TERMINAL STRIP | 1        | FLASK POWER TERMINAL                  |
|        | TERMINAL STRIP | 3        | BDJ POWER PROTECTION                  |

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|       |            |                       |       |
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| BY:   | S T        |                       |       |
| INDEX | DATE       | DESCRIPTION           | INDEX |
| B     | 29/04/2021 | 2 PHOTO CELL IN FRAME | S T   |
| A     | 04/01/2021 | ORIGINAL VERSION      | S T   |

DIAGRAM :

21 01 00

PARTS LIST

FOLIO

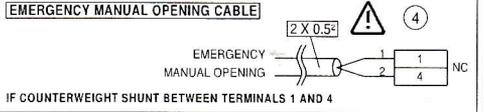
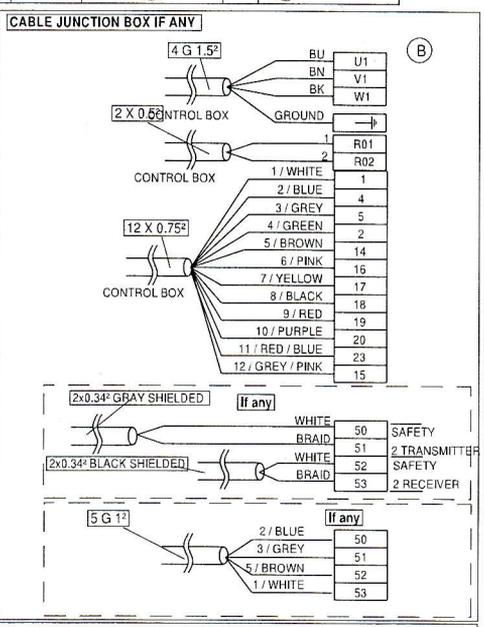
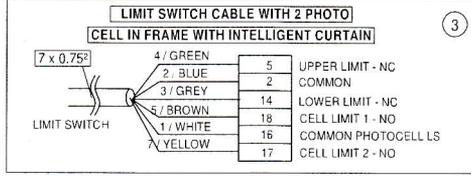
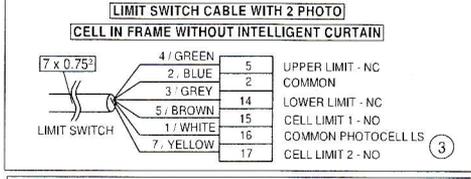
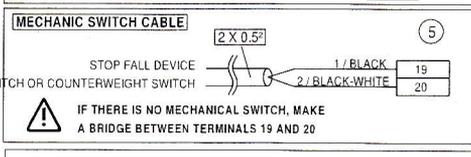
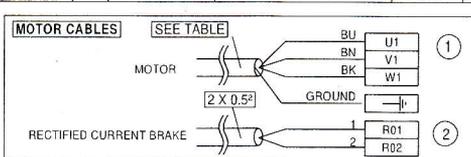
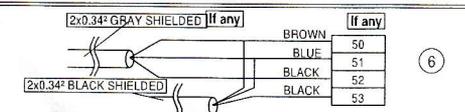
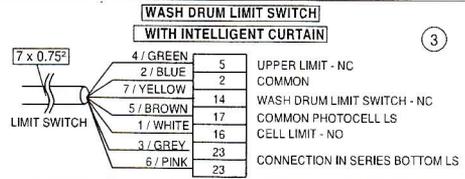
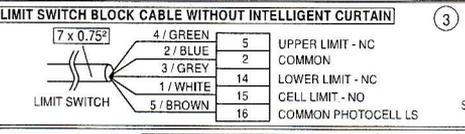
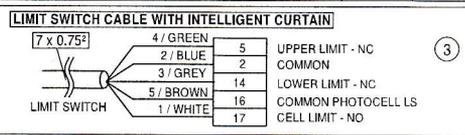
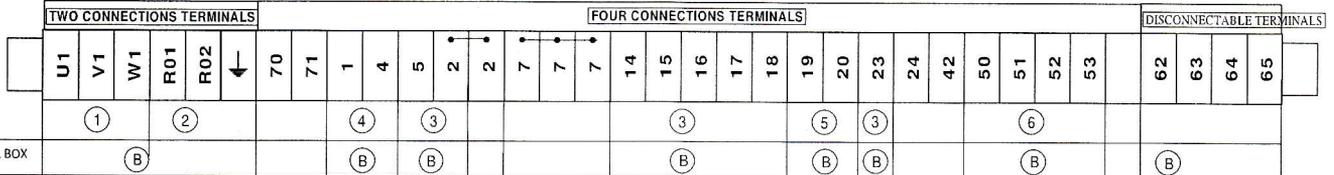
07

06 08

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REPRESENTATION TERMINAL JUNCTION BOX IF EXISTING:



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|       |            |                       |       |
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| INDEX | DATE       | DESCRIPTION           | INDEX |
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DIAGRAM :

21 01 00

JUNCTION BOX (1)

If any

FOLIO

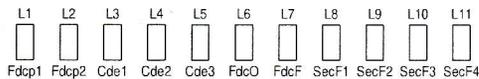
08

07 09

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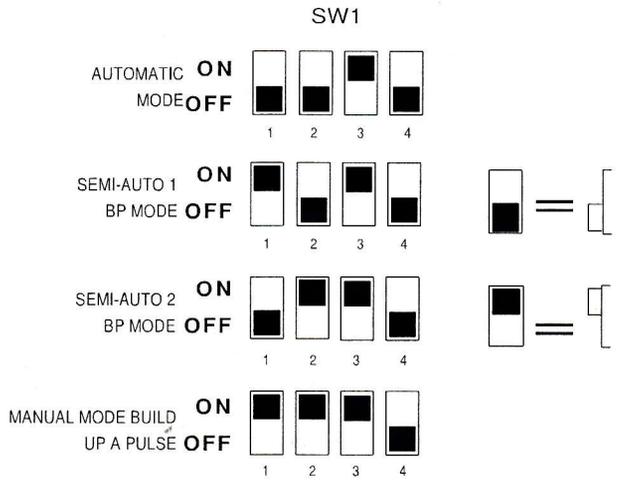
**LEDS SIGNIFICATION**



|     |  |
|-----|--|
| L1  | <b>LIMIT SWITCH UNIT PARTIAL 1.</b><br>Not used.   |
| L2  | <b>LIMIT SWITCH UNIT PARTIAL 2.</b><br>Not used.   |
| L3  | <b>OPENING ACTIVATION N°1</b><br>Activated if the contact is closed between terminals 6 and 7 means, for each opening door requested |
| L4  | <b>OPENING ACTIVATION N°2</b><br>Activated if the contact is closed between terminals 6 and 8 means, for each opening door requested |
| L5  | <b>CLOSING ACTIVATION</b><br>Activated if the contact is closed between terminals 6 and 9 means, for each closing door requested     |
| L6  | <b>UPPER LIMIT SWITCH</b><br>Switched off if the door is opened  |
| L7  | <b>LOWER LIMIT SWITCH</b><br>Switched off if the door is closed  |
| L8  | <b>SAFETY BEAM 1."Intelligent" curtain</b><br>Switched off when safety beam in the curtain is cut.                                   |
| L9  | <b>SAFETY BEAM 2.Safety cell within the frame</b><br>Switched off when safety beam in the frame is cut                               |
| L10 | <b>SAFETY BEAM 3.Optional safety cell</b><br>Switched off when safety beam is cut  |
| L11 | <b>SAFETY BEAM 4.Mechanical defect switch in option</b><br>Switched off when the mechanical defect switch is engaged.                |

**HOW TO ADJUST OPERATING MODES**

**WARNING :**  
**ADJUST- ONLY OUT OF POWER**



**SW3: SWITCH EMBEDDED IN THE ELECTRONIC BOARD. (SEE ELECTRONIC BOARD LAYOUT) IT ALLOWS TO SWITCH TO AUTOMATIC MODE OR MAINTENANCE MODE.**



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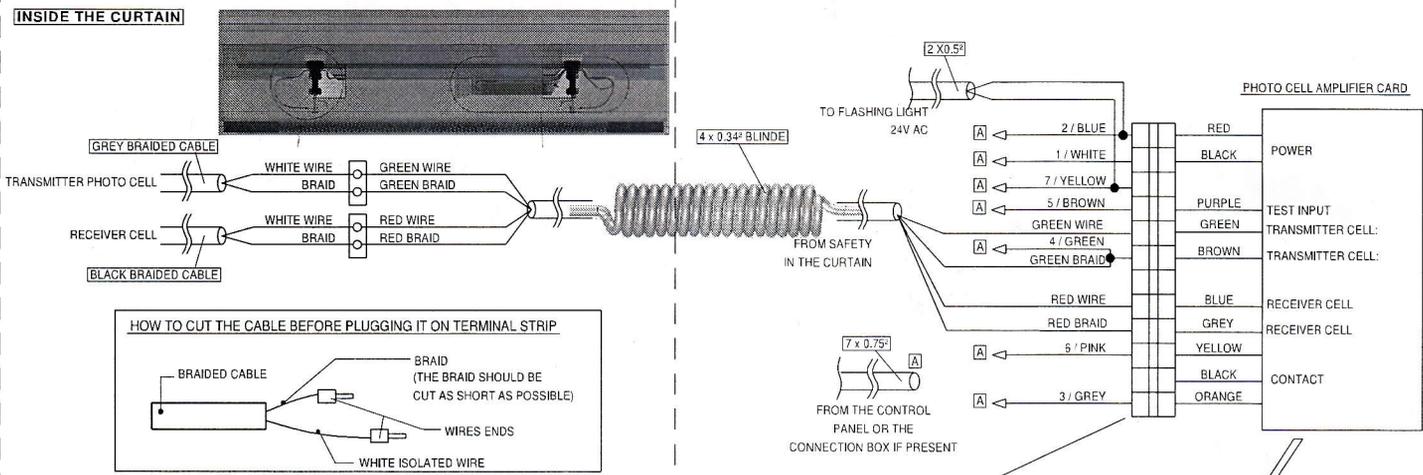
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**21 01 00**

**TECHNICAL FEATURE**

FOLD  
**09**  
◀ 08 10 ▶  
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**AMPLIFIER BOX ON THE LEG - RETRACTILE CURTAIN WITH SPIRAL CABLE SECU 1**

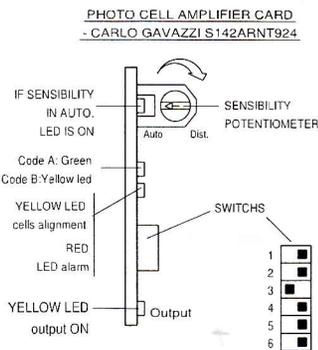
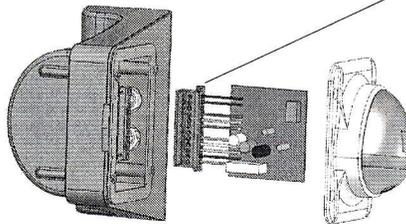


**RETRACTILE CURTAIN AMPLIFIER ADJUSTMENT**

Leave the automatic mode of the amplifier by turning the potentiometer clockwise until the "OUTPUT" LED on the amplifier lights up. Turn the potentiometer again about 15° clockwise so that the intelligent bottom edge of the curtain is less sensitive. The yellow LED "out put on" is switched off when the beam is cut.

**PROBLEMS :**

| RED LED "Alarm" | LED: Code "A" Code "B" | ERROR TYPES   |
|-----------------|------------------------|---|
| Light ON        | GREEN LED FLASHES      | Curly cable cut or one of the cells transmitter has a problem |
|                 | YELLOW LED FLASHES     | One of the cells receiver has a problem (control connexion)   |



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DIAGRAM :  
**21 01 00**

**AMPLIFIER BOX WITH CABLE SECU 1**  
**RETRACTILE CURTAIN**

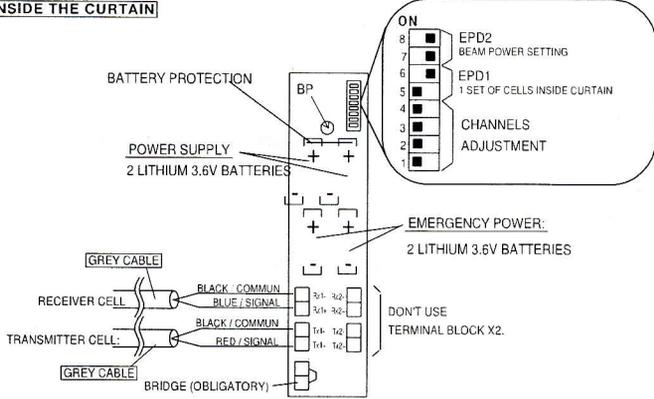
FOLD  
**10**  
◀ 09 11 ▶  
Logiciel SEE v. 4.40

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# AMPLIFIER BOX SECU 1 - WIRELESS RETRACTILE CURTAIN

## TRANSMITTER

INSIDE THE CURTAIN



### IMPORTANT

IF CASE OF SEVERAL DOORS WITH THE WIRELESS SYSTEM WORK IN INTERLOCK, IT IS ABSOLUTELY NECESSARY THAT THEY ARE SET ON DIFFERENT CHANNELS IN ORDER TO AVOID THE RISK OF DISTURBANCES AND MALFUNCTIONS.

IF THE CONTROL PANELS OF DOORS EQUIPPED WITH WIRELESS SYSTEMS ARE LESS THAN 15 METERS AWAY, IT IS RECOMMENDED TO USE DIFFERENT CHANNELS.

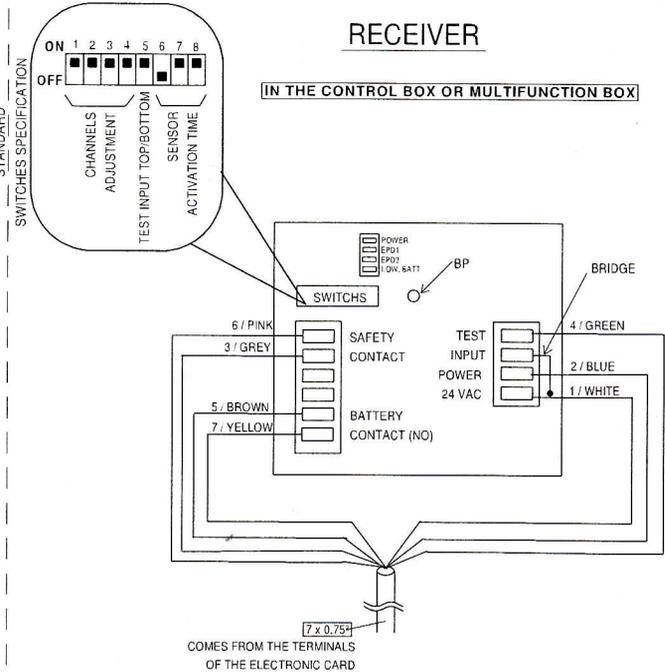
### CHANNELS CONFIGURATION

- |                    |                    |                     |                    |
|--------------------|--------------------|---------------------|--------------------|
| 1. OFF } CHANNEL 5 | 1. ON } CHANNEL 10 | 1. OFF } CHANNEL 15 | 1. ON } CHANNEL 16 |
| 2. OFF             | 2. OFF             | 2. ON               | 2. ON              |
| 3. ON              | 3. ON              | 3. ON               | 3. ON              |
| 4. OFF             | 4. ON              | 4. ON               | 4. ON              |
- FACTORY SETTING...

**CHANNEL 16 IS CONFIGURED FROM FACTORY**  
THESE FOUR CHANNELS PREVENT INTERFERENCE WITH WIFI SYSTEMS.  
SO IT IS STRONGLY RECOMMENDED TO USE THESE CHANNELS.

## RECEIVER

IN THE CONTROL BOX OR MULTIFUNCTION BOX



### ADJUSTMENT OF THE SIGNAL STRENGTH OF THE PHOTOCELLS

- |            |               |               |
|------------|---------------|---------------|
| <b>ON</b>  | <b>ON</b>     | <b>ON</b>     |
| 8          | 8             | 8             |
| 7          | 7             | 7             |
| STANDARD   | BEAM POWER    | BEAM POWER    |
| BEAM POWER | AMPLIFIED 15% | AMPLIFIED 25% |

MAKE THE CONFIGURATION IN STANDARD MODE IF THE DESCENT CYCLE IS INTERRUPTED INCREASE THE POWER STEP BY STEP  
BE CAREFUL A WRONG SETTING CAN CAUSE A LACK OF RESPECT OF THE EUROPEAN COMPLIANCE, AND A RAPID WEAR OF THE BATTERIES

**NERGECO**  
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|       |            |       |            |                       |          |
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|       |            | A     | 04/01/2021 | ORIGINAL VERSION      | S T      |
|       |            | INDEX | DATE       | MODIFICATION          | INITIALS |

DIAGRAM :  
**21 01 00**

**WIRELESS BOX SECU 1**  
**RETRACTILE CURTAIN**

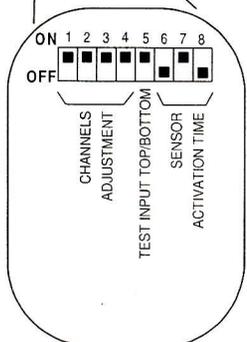
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**11**  
◀ 10 12 ▶  
Logiciel SEE v. 4.40

# WIRELESS SYSTEM SETTING PROCEDURE

## WIRELESS RECEIVER:

**BP**

THE RECEIVER IS INSIDE THE CONTROL BOX  
SWITCHES 1 TO 5 ARE FACTORY SET TO "ON"  
SWITCHES 6 TO 8 ARE USED TO  
ADJUST THE ACTIVATION TIME (SEE TABLE BELOW)



| 6   | 7   | 8   | ACTIVATION TIME |
|-----|-----|-----|-----------------|
| OFF | OFF | OFF | 5 Sec.          |
| ON  | OFF | OFF | 10 Sec.         |
| OFF | ON  | OFF | 15 Sec.         |
| ON  | ON  | OFF | 20 Sec.         |
| OFF | OFF | ON  | 25 Sec.         |
| ON  | OFF | ON  | 30 Sec.         |
| OFF | ON  | ON  | 35 Sec.         |
| ON  | ON  | ON  | 40 Sec.         |

### USE:

SYSTEM START TO OPERATE WHEN DOOR REACHES THE TOP POSITION  
ONCE THE AUTO TEST IS ACTIVATED, THE WIRELESS SYSTEM REMAINS ACTIVE FOR THE TIME SET BY THE RECEIVER'S SWITCHES 6, 7 AND 8 (SEE TABLE ABOVE).  
THIS ACTIVATION TIME=TIME SYSTEM IS ON  
EX: IF DOOR CLOSE IN 3 SECONDS  
ADJUST TIME AT 5 SECONDS (6.OFF,7.OFF,8.OFF)  
IF THE SWITCHES FOR SIGNAL STRENGTH AND SYSTEM ACTIVATION ARE SET CORRECTLY, THE BATTERY LIFE WILL BE LONGER.

## WIRELESS TRANSMITTER:

**BP**

TRANSMITTER IS INTEGRATED AT THE BOTTOM EDGE OF THE CURTAIN  
THE TRANSMITTER IS POWERED BY 2 BATTERIES, THE OTHER 2 BATTERIES ARE SPARE (DO NOT REMOVE THEIR PROTECTION)

## ADJUSTEMENT

BEFORE EACH SYNCHRONISATION OR RESYNCHRONISATION: 1. REMOVE THE BATTERIES FROM THE TRANSMITTER MODULE TO RESET IT 2. PRESS THE BP OF THE RECEIVER MODULE UNTIL THE GREEN AND RED LEDS BLINK

### WIRELESS RECEIVER

- PRESS THE BP UNTIL THE GREEN AND RED LEDS FLASH. "RESET TO ZERO".
- PUSH ON BUTTON UP TO GREEN LED IS ON AND THAT THE "EPD2" ORANGE LED FLASH

### WIRELESS TRANSMITTER

- PRESS THE BP, THE LED "EPD1" LIGHTS UP, RELEASE IT WHEN THE ORANGE LED "EPD2" BLINKS.

### WIRELESS RECEIVER

- GREEN LIGHT IS ON, THE 2 EPD1 AND EPD2 ORANGE LED FLASH
- PUSH ON BUTTON UP TO THE GREEN LED IS THE ONLY ONE "ON"

### THE SYNCHRONIZATION OF THE WIRELESS SYSTEM IS COMPLETED.

AFTER SYNCHRONISATION, LED "SecF1" WILL LIGHT UP WHEN THE DOOR REACHES TOP LIMIT SWITCH  
IT IS POSSIBLE THAT IN THE FIRST CYCLE THE SYSTEM DOES NOT START BEFORE REPAIRING THE PARAMETERIZATION, LOWER THE DOOR IN MAINTENANCE AND TEST. THE SYNCHRONIZATION, MAINLY DEPENDING ON THE AMBIENT ATMOSPHERE, CAN SOMETIMES MAKE THE START-UP LONGER.

### WIRELESS TRANSMITTER

- AFTER THE TEST, PLACE A SAFETY LABEL BETWEEN THE COVER AND THE BASE OF THE TRANSMITTER.
- PLACE THE TRANSMITTER BACK INTO THE CURTAIN POCKET AND FASTEN IT WITH A PLASTIC CLIP.

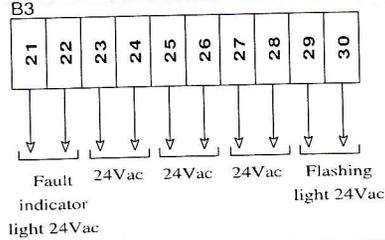
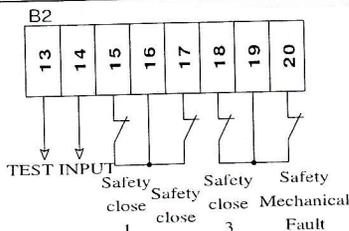
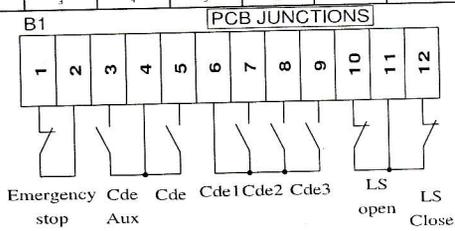
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|       |            | INDEX | DATE       | MODIFICATION          | INITIALS |

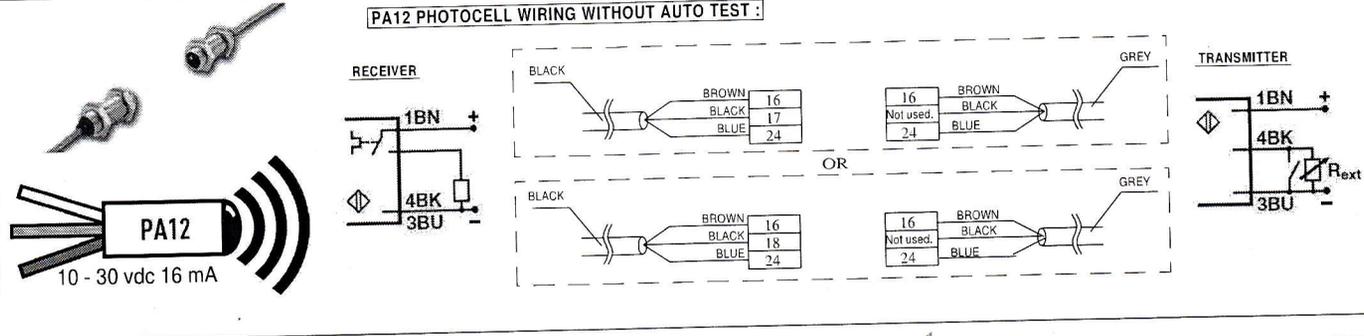
DIAGRAM :  
**21 01 00**

**SETTING PROCEDURE**  
**WIRELESS**

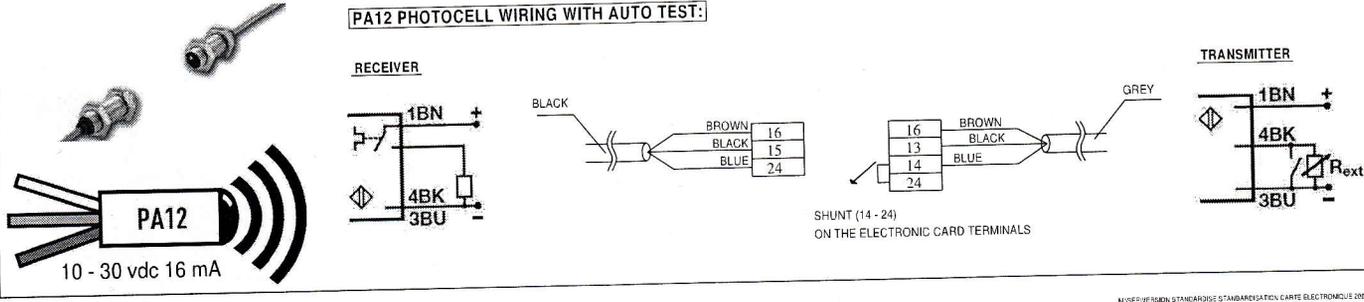
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◀ 11 13 ▶  
Logiciel SEE v. 4.40



**PA12 PHOTOCELL WIRING WITHOUT AUTO TEST :**



**PA12 PHOTOCELL WIRING WITH AUTO TEST:**



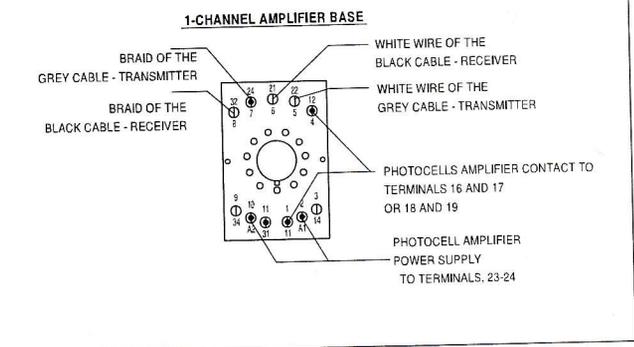
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|       |            | INDEX | DATE       | MODIFICATION          | NOTE |

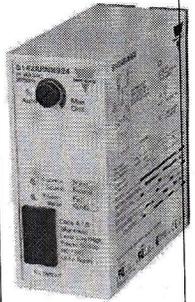
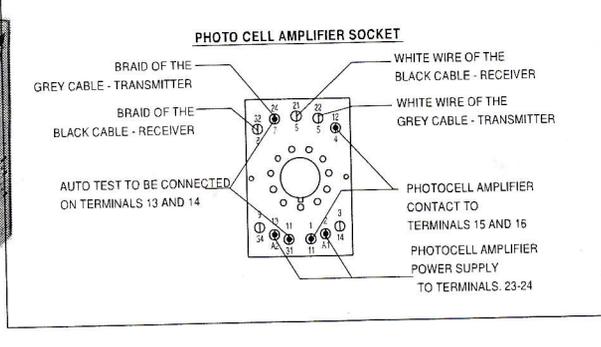
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**WIRING CELLS PA12**  
**CARLO-GAVAZZI**  
FOLD 13  
Logopet SEE v. 4.40

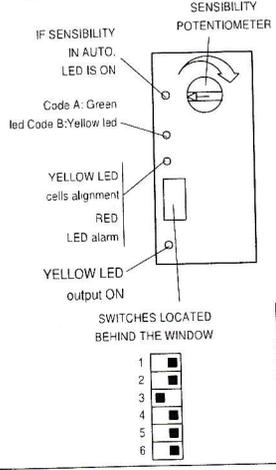
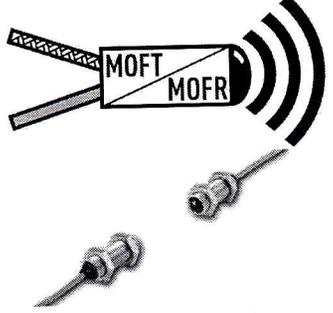
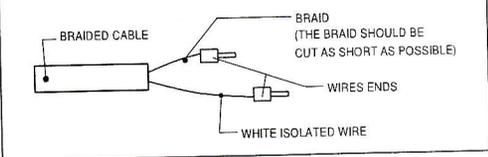
**IF PHOTOCELL MOFT MOFR WITHOUT AUTO TEST:**



**IF PHOTOCELL MOFT MOFR WITH AUTO TEST:**



**HOW TO CUT THE CABLE BEFORE PLUGGING IT ON TERMINAL STRIP**



**1 CHANNEL AMPLIFIER FOR CARLO-GAVAZZI PHOTOCELLS (MOFT/MOFR) - S142ARNT924 LOCATED IN THE CONTROL PANEL OR JUNCTION BOX**

**PHOTO CELL AMPLIFIER ADJUSTMENT :**

Put the door in manual mode, turn clockwise the button until yellow LED "OUTPUT" light ON. Then turn the button of 15° clockwise to have safe adjustment. The yellow LED "out put on" is switched off when the beam is cut.

**PROBLEMS :**

| RED LED "Alarm" | LED: Code "A" Code "B" | ERROR TYPES                                |
|-----------------|------------------------|--|
| Light ON        | GREEN LED FLASHES      | One of the cells transmitter has a problem |
|                 | YELLOW LED FLASHES     | One of the cells receiver has a problem    |

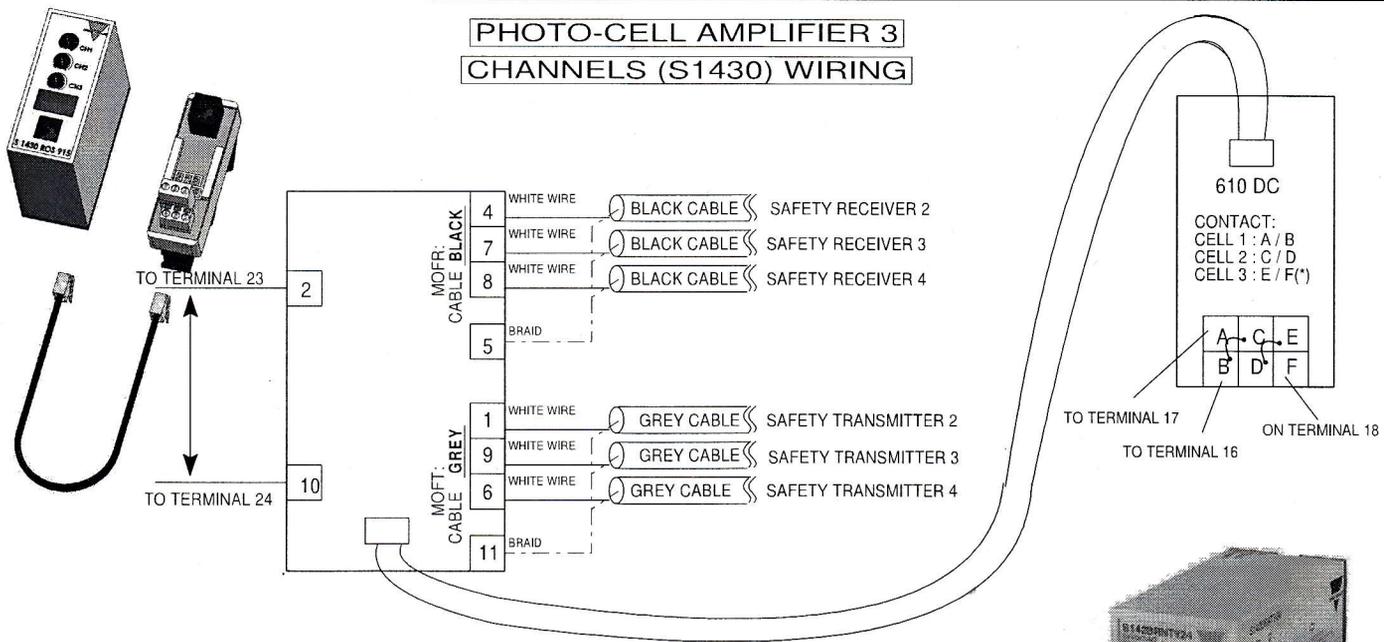
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**CABLING PHOTOCELLS MOFT MOFR**  
**CARLO-GAVAZZI**  
FOLD 14  
Logopet SEE v. 4.40

## PHOTO-CELL AMPLIFIER 3 CHANNELS (S1430) WIRING



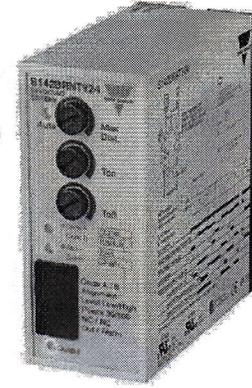
### WIRE COLOUR CODING :

- A : WHITE WIRE
- B : BLACK WIRE
- C : RED WIRE
- D : GREEN WIRE
- E : YELLOW WIRE
- F : BLUE WIRE

THE SWITCHES ARE LOCATED BEHIND THE WINDOW TYPE COVER (FRONT PANEL)

| SWITCH 1 | SWITCH 2 | FUNCTION                 |
|----------|----------|--------------------------|
| LOW      | LOW      | Normal fonctionnement    |
| HIGH     | LOW      | TRANSMITTERS (MOFT) TEST |
| LOW      | HIGH     | RECEIVERS (MOFR) TEST    |
| HIGH     | HIGH     | ALIGNMENT TEST           |

FOR TESTS : - IF YELLOW LED ON : SYSTEM TEST OK  
- IF RED LED ON : ADJUST FUNCTION



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|       |            | INDEX | DATE       | MODIFICATION          | NAME |

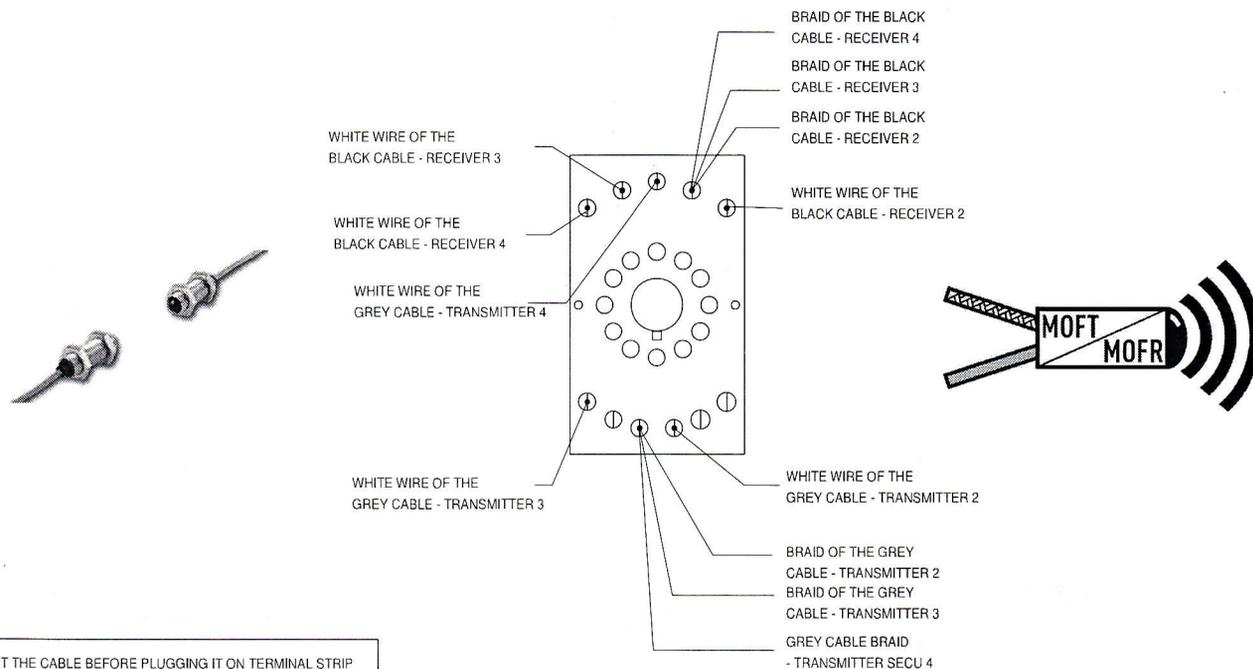
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**21 01 00**

**3-CHANNELS SAFETY AMPLIFIER**

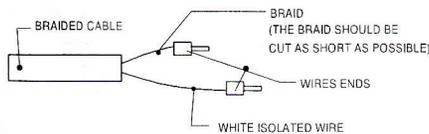
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## PHOTO-CELL CARLO-GAVAZZI AMPLIFIER 3 CHANNELS



### HOW TO CUT THE CABLE BEFORE PLUGGING IT ON TERMINAL STRIP.



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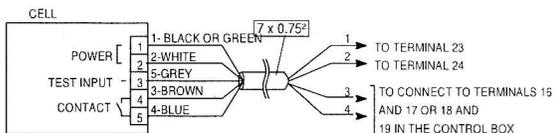
**AMPLIFIER BASE ZPD11  
CARLO-GAVAZZI**

FOIJD  
**16**  
◀ 15 17 ▶  
Logiciel SEE - v. 4.40

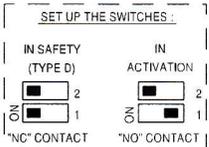
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**PHOTOCELL WITHOUT AUTO TEST:**

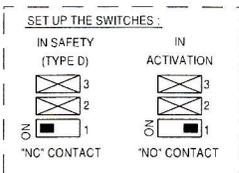
**REFLECTIVE PHOTOCELL PMP 12 RGM CARLO-GAVAZZI + REFLECTOR :**



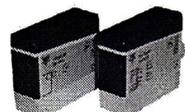
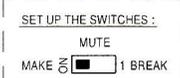
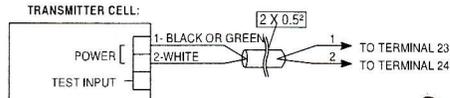
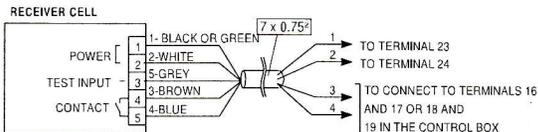
**7X0.75² WIRES LEGENDE**  
 1- BLACK OR GREEN  
 2-WHITE  
 3-BROWN  
 4-BLUE  
 5-GREY



**TRANSMITTER-RECEIVER PHOTOCELLS PMT 20RG AND PMT 20GM CARLO-GAVAZZI :**

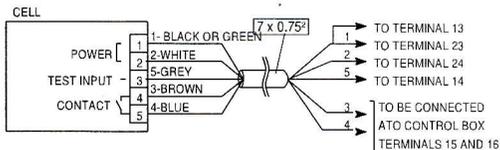


**7X0.75² WIRES LEGENDE**  
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 2-WHITE  
 3-BROWN  
 4-BLUE  
 5-GREY

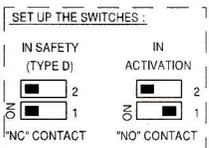


**PHOTOCELL WITH AUTO TEST:**

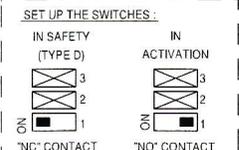
**REFLECTIVE PHOTOCELL PMP 12 RGM CARLO-GAVAZZI + REFLECTOR :**



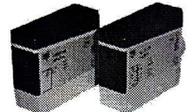
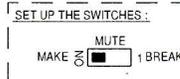
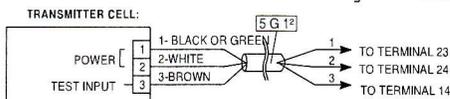
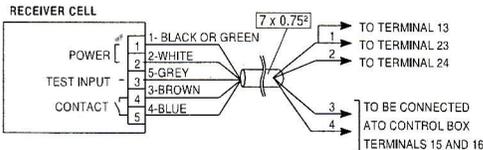
**7X0.75² WIRES LEGENDE**  
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 4-BLUE  
 5-GREY



**TRANSMITTER-RECEIVER PHOTOCELLS PMT 20RG AND PMT 20GM CARLO-GAVAZZI :**



**7X0.75² WIRES LEGENDE**  
 1- BLACK OR GREEN  
 2-WHITE  
 3-BROWN  
 4-BLUE  
 5-GREY



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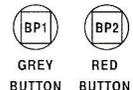
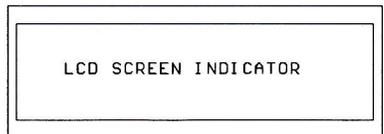
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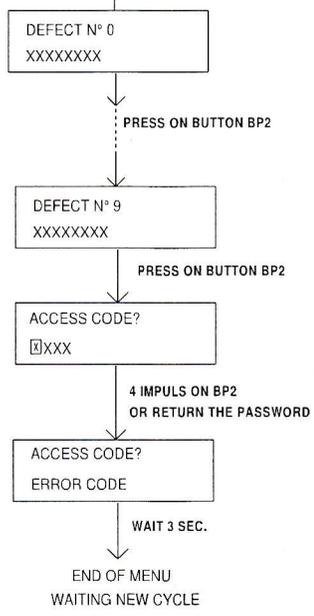
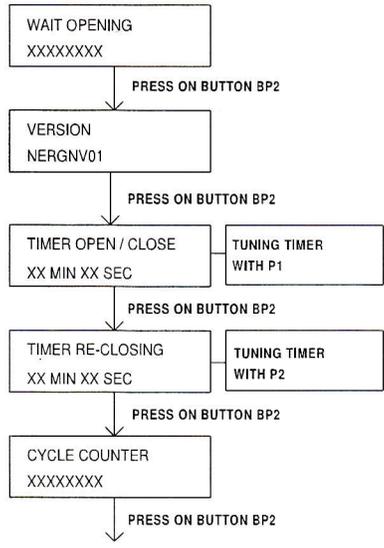
**SINGLE REFLECTION AND PMT20 PHOTOCELL CABLING**  
**CARLO-GAVAZZI**

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**LCD SCREEN INDICATOR**



- HOW THE READ THE DISPLAY  
 SELECTION OF THE LANGUAGE  
 UNFOLDING OF THE MENU



**- DEFECTS ANNOUNCED BY THE DISPLAY**

|                                   |   |
|-----------------------------------|---|
| EMERGENCY STOP ACTIVE             | THE CONTACT BETWEEN 1 AND 2 IS OPEN                     |
| WAIT OPENING SGN CLOSING SAFETY 1 | DEFECTS OF THE CELLS OF THE "INTELLIGENT" CURTAIN       |
| WAIT OPENING SGN CLOSING SAFETY 2 | DEFECTS OF THE CELLS IN THE FRAME                       |
| WAIT OPENING SGN CLOSING SAFETY 3 | DEFECTS OF THE CELLS IN THE FRAME (OPTION)              |
| WAIT OPENING SGN CLOSING SAFETY 4 | MECHANIC DEFECT SWITCH (OPTION)                         |
| LOCKING DEFAULT OVERPASSCYCLTIME  | UNI-SLIDING TIME EXCEEDED (P1 ADJUSTED ON MAX POSITION) |
| LOCKING DEFAULT AUTOTEST SAFE 1   | DEFECT AUTOTEST OF CLOSING SAFETY 1                     |

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|-------|--------------|
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| INDEX | DATE         |
|       | MODIFICATION |
|       | NAME         |

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**LCD SCREEN INDICATOR**

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