



IS254 Rev.00 22/05/2023

B73/RGB

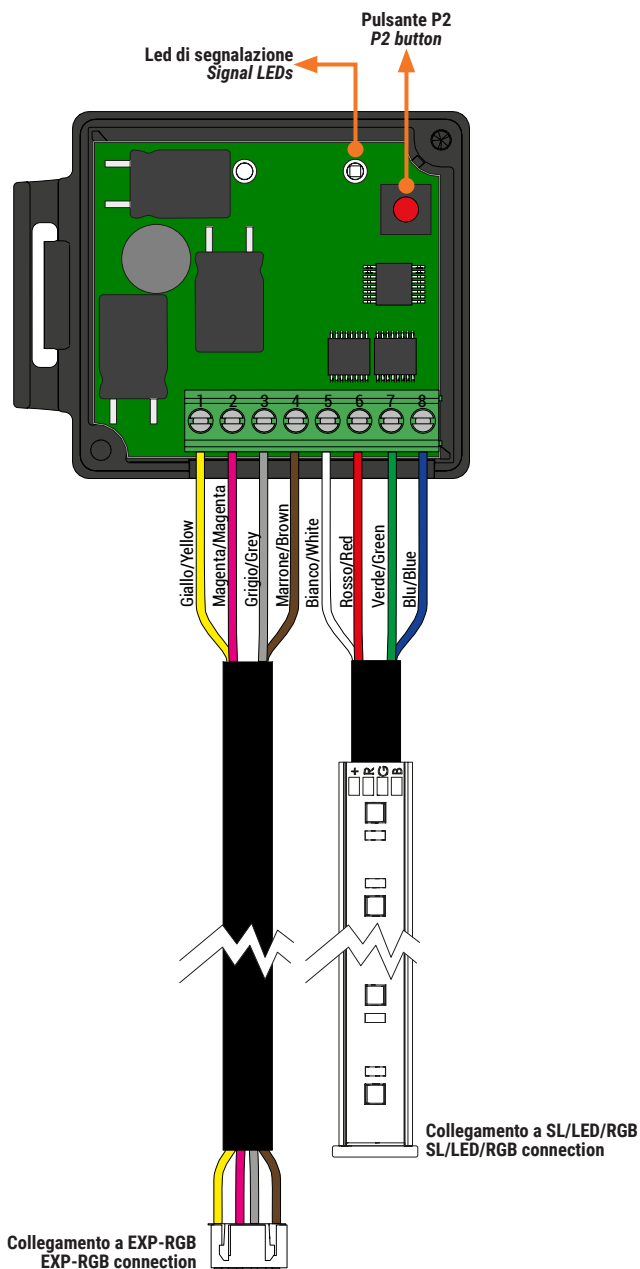
Dispositivo per controllo luci RGB per moduli F70/INV36/1

Istruzioni originali

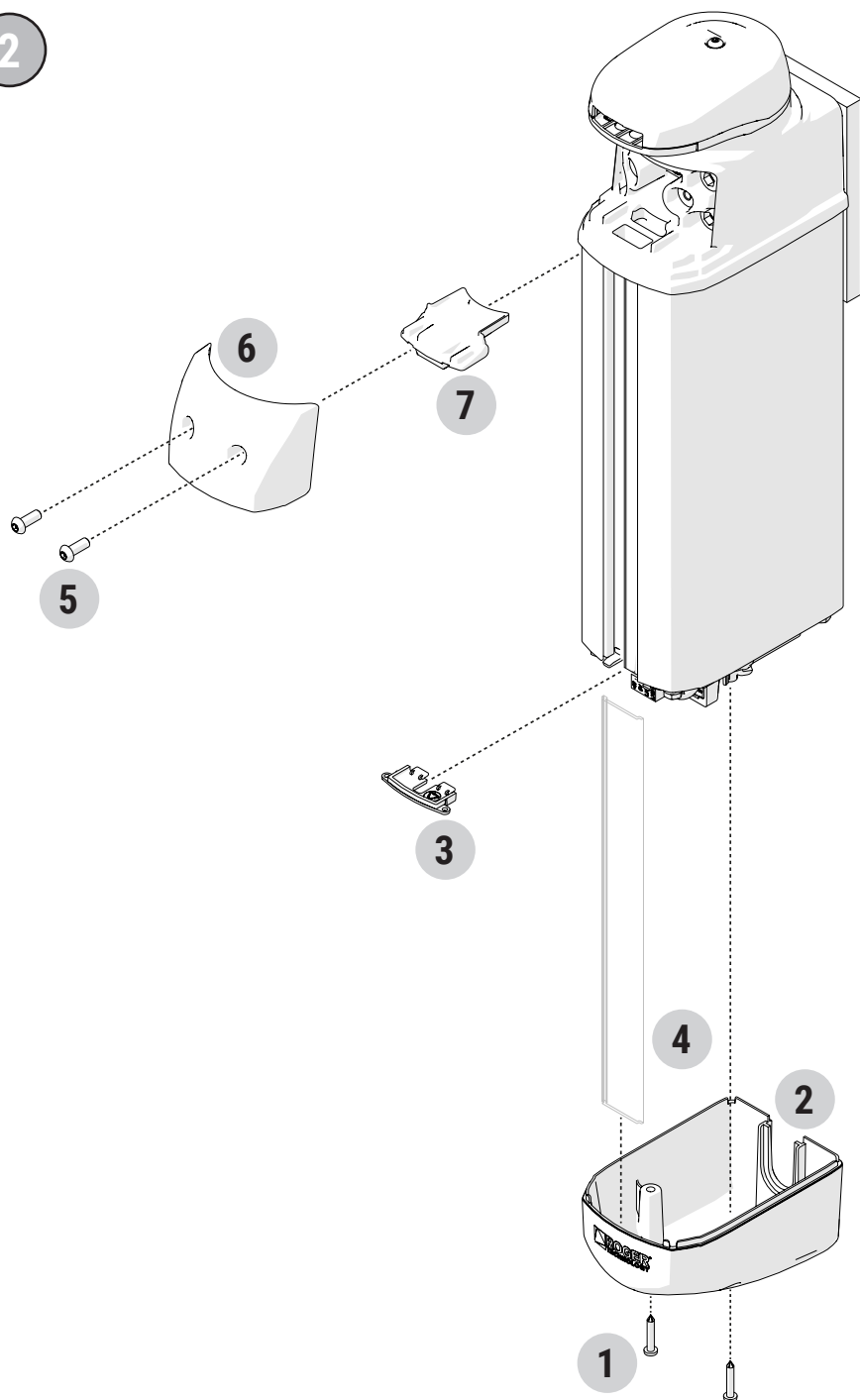


IT - Istruzioni ed avvertenze per l'installatore
EN - Instructions and warnings for the installer
DE - Anweisungen und Hinweise für den Installateur
FR - Instructions et consignes pour l'installateur
ES - Instrucciones y advertencias para el instalador
PT - Instruções e advertências para o instalador

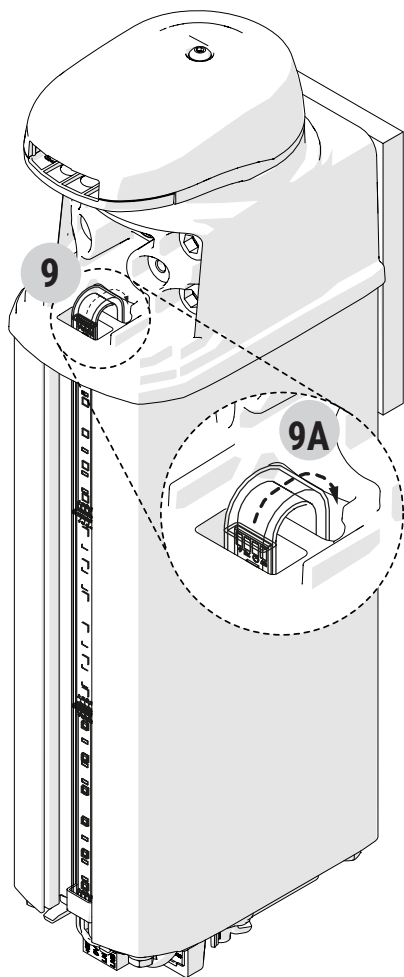
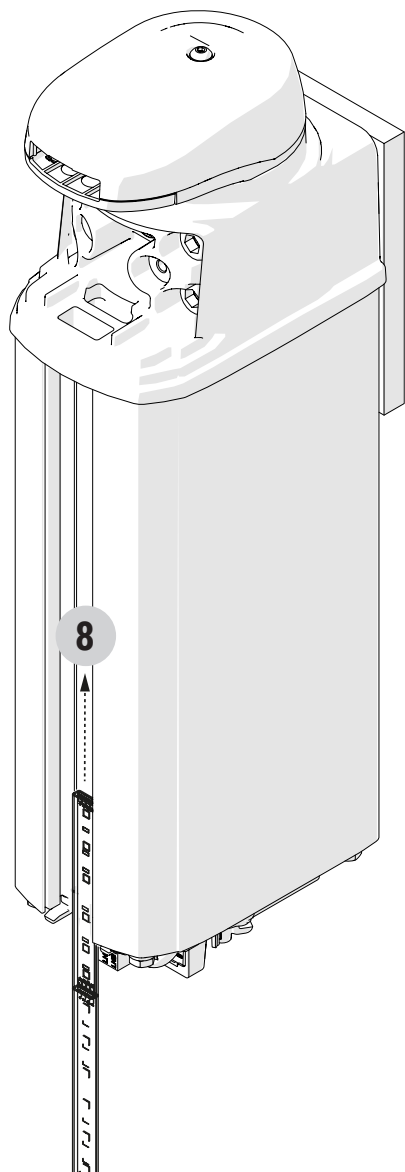
1



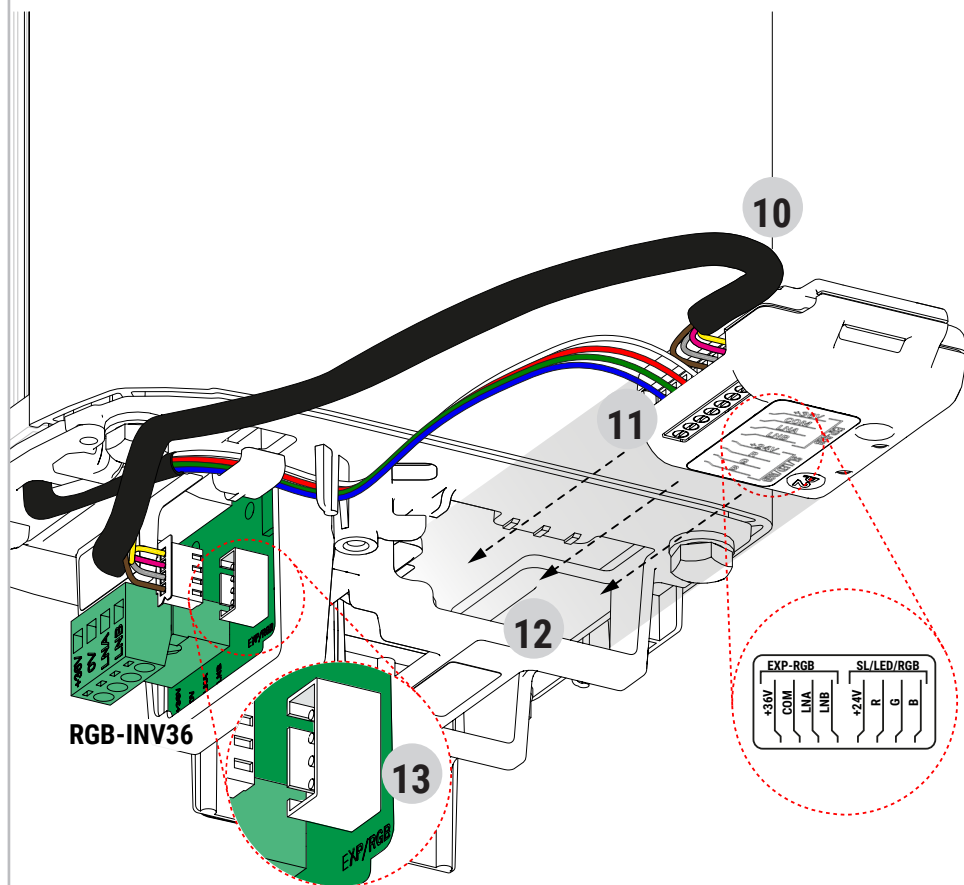
2



3



4



MODALITÀ FUNZIONAMENTO B73/RGB

B73/RGB OPERATING MODE

5

LED ROSSO FISSO
FIXED RED LED

LED VERDE FISSO
FIXED GREEN LED

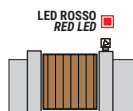
LED ROSSO LAMPEGGIANTE
(lampeggio continuo)
RED LED FLASHING
(continuous flashing)

LED VERDE LAMPEGGIANTE
(lampeggio continuo)
GREEN LED FLASHING
(continuous flashing)

LED ROSSO DI PRESENZA
(lampeggio discontinuo)
RED PRESENCE LED
(discontinuous flashing)

LED VERDE DI PRESENZA
(lampeggio discontinuo)
GREEN PRESENCE LED
(discontinuous flashing)

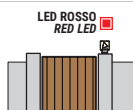
TIPO / TYPE "A"



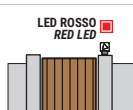
TIPO / TYPE "B"



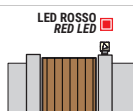
TIPO / TYPE "C"



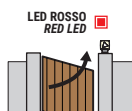
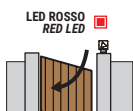
TIPO / TYPE "D"



TIPO / TYPE "E"



TIPO / TYPE "F"

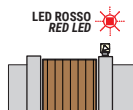


DISPONIBILI SOLO PER PARAMETRO / ONLY AVAILABLE FOR PARAMETER x3=01, x3=08

TIPO / TYPE "G"



TIPO / TYPE "H"



1 General safety precautions



Warning: incorrect installation may cause severe damage or injury. Read the instructions carefully before installing the product.

This installation manual is intended for qualified personnel only. ROGER TECHNOLOGY cannot be held responsible for any damage or injury due to improper use or any use other than the intended usage indicated in this manual. Installation, electrical connections and adjustments must be performed by qualified personnel, in accordance with best practices and in compliance with applicable regulations. Before installing the product, make sure it is in perfect condition.

Disconnect the mains electrical power before performing any work. Only use original spare parts when repairing or replacing products.

The packaging materials (plastic, polystyrene, etc.) should not be discarded in the environment or left within reach of children, as they are a potential source of danger.

WARNING! Handle electronic parts and terminals with extreme care, as these parts are highly sensitive to static electricity.

2 Symbols

The symbols and their meaning in the manual or on the product label are indicated below.

	Generic danger Important safety information. Indicates operations and situations in which the personnel involved must pay close attention.
	Dangerous voltage risk Indicates operations and situations in which the personnel involved must pay close attention to dangerous voltages.
	Refer to the Installation and use instructions Indicates the obligation to refer to the manual or original document, which must be available for future use and must not be damaged in any way.
	Direct current (DC)
	Symbol for the product disposal according to the WEEE directive.

3 Product description

B73/RGB is an RGB light controller to connect directly to modules F70/INV36/1 with the **RGB-INV36** board accessory. B73/RGB allows controlling an RGB light (**SL/LED/RGB**) installed in the SLED motor.



For further info, see the SLED motor and **SL/LED/RGB** LED strip installation manuals.

4 Technical characteristics

	B73/RGB
POWER	36V
RGB LIGHT OUTPUT	3 lines, 100mA each
MAX SWITCHABLE POWER	7.5W
RGB LIGHT POWER SUPPLY	24V
OVERLOAD PROTECTION	Managed electronically
RGB LIGHT	SL/LED/RGB (14.5W / meter)

5 SL/LED/RGB LED strip installation (Fig. 2-3)

1. Remove the screws (detail 1)
2. Remove the bottom cover (detail 2)

3. Remove the removable lower cover (detail 3)
4. Remove the escutcheon (detail 4)
5. Remove the screws (detail 5)
6. Remove the front cover (detail 6)
7. Remove the rubber plug (detail 7)
8. Insert the SL/LED/RGB LED strip from the ground up (detail 8)
9. The LED strip portion protruding from the upper part of the guide must be folded and inserted into the back groove by gently curving it, being careful not to damage it (detail 9A)

6 Electrical connections (fig. 4)

1. Connect the cable with the connector to B73/RGB terminals 1, 2, 3, 4, as shown in figure 1; make sure the colours match; an incorrect connection may damage the device
2. Connect the SL/LED/RGB LED strip to terminals 5, 6, 7, 8
3. Insert B73/RGB into the relevant slot (figure 4, detail 12)
4. With the F70/IPU36 control unit's power cut off, connect the cable to the EXP-RGB connector, as shown in figure 4, detail 13
5. Refit everything back

7 Functions

If you press and hold the P2 button for more than 4 seconds, the device will reset.

At start-up (or at reset) the lamps turn red, green and blue in a short sequence.

In the case of RS485 communication with F70/IPU36, the red L2 LED flashes very quickly; without communication, it flashes briefly with long intervals.

8 Setting parameters on F70/IPU36



For more information, refer to the F70/IPU36 control unit manual.

X0 00	Enable B73/RGB connected to MOTOR 1
X1 00	Enable B73/RGB connected to MOTOR 2
00	Disabled.
01	Enabled with RG (RED - GREEN) traffic light function
02	Enabled with RGB (RED - GREEN - BLUE) traffic light function
X2 00	Select RG traffic light operating mode (see type descriptions, figure 5)
00	Disabled.
01-06	"Type A"... "type F" mode.
X3 00	Select RGB signalling operating mode (see type descriptions, figure 5)
00	Disabled
01-08	"Type A"... "type H" mode.
X4 00	Enabling incoming colour transition in complete opening NOTE: By setting a value other than 00, only for RGB light type 'A', 'B', 'G' modes, after reaching the opening percentage specified, the colour switches to the one selected.
00	Disabled, the colour remains the one set by par. X2/X3.
01-05	Switches to orange when MOTOR 1 reaches 70-75-80-85-90% of its run
06-10	Switches to green when MOTOR 1 reaches 70-75-80-85-90% of its run.
X5 00	Select RGB colour in stand-by Once the automation system is fully closed, the colour assumes the selected value after the time interval defined in par. X6 has elapsed.
00	Sequence of the various colours, with dimmed brightness.
01-09	1: blue, 2: yellow, 3: pink, 4: light blue, 5: fuchsia, 6: white, 7: orange, 8: violet, 9: red.

X6 00	Select the RGB lights stand-by time (when fully closed)
00	Stand-by disabled, the colour remains as selected in par. X2 (or X3).
0 1- 20	Stand-by time 30", 60", 90", 2 minutes, 10 minutes.

9 Disposal



The product may only be uninstalled by qualified technical personnel, following suitable procedures for removing the product correctly and safely. This product consists of numerous different materials. Some of these materials may be recycled, while others must be disposed of correctly at the specific recycling or waste management facilities indicated by local legislation applicable for this category of product.

Do not dispose of this product as domestic refuse. Observe local legislation for differentiated refuse collection, or hand the product over to the vendor when purchasing an equivalent new product.

Local legislation may envisage severe fines for the incorrect disposal of this product.

Warning! Some parts of this product may contain substances that are harmful to the environment or dangerous and which may cause damage to the environment or health risks if disposed of incorrectly

10 Additional information and contact details

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11 Declaration of Conformity

The undersigned, representing the following manufacturer

Roger Technology - Via Botticelli 8, 31021 Mogliano V.to (TV)

hereby DECLARE that the appliance described hereafter:

Description: Signal device

Model: **B73/RGB**

Is in conformity with the legislative provisions that transpose the following directives:

- 2014/35/UE

- 2011/65/UE

- 2014/30/UE

and that all the standards and/or technical requirements indicated as follows have been applied:

EN 61000-6-3;

EN 61000-6-2;

EN 60335-1

Place: Mogliano V.to

Date: 10/04/2023

Signature