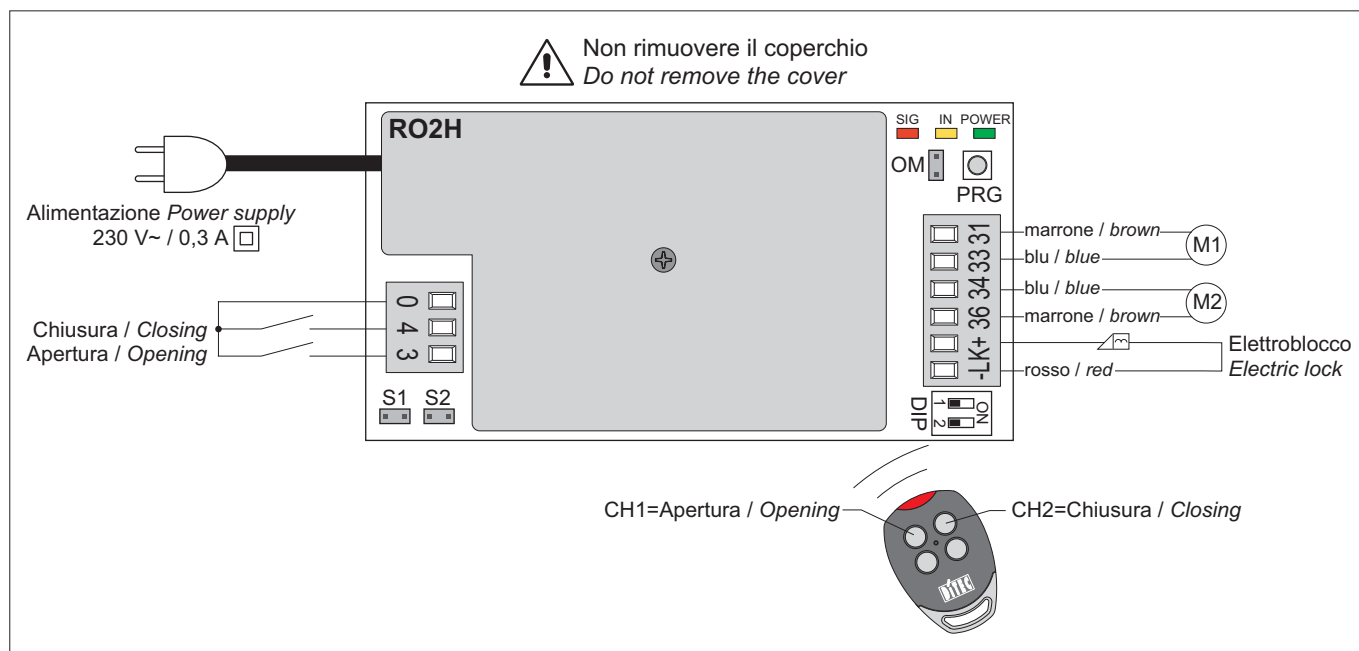




## AUTOMATIC ENTRANCE SPECIALISTS

**RO2H**IP1918  
rev. 2007-01-31


- I** Manuale di installazione quadro elettronico per automazioni RADIUS e OLLYE.
- GB** Installation handbook for RADIUS and OLLYE automations' control panel.
- F** Manuel d'installation pour armoire électrique pour automatisme RADIUS et OLLYE.
- D** Installationsanleitung der Türsteuerung für RADIUS und OLLYE.
- E** Manual de instalación del tablero electrónico para automación RADIUS y OLLYE.
- P** Manual de instalação para quadro eléctrico para automação RADIUS e OLLYE.



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ISO 9001  
Cert. n° 0957

## GENERAL SAFETY PRECAUTIONS


 This installation manual is intended for professionally competent personnel only.


The installation, the power connections and the settings must be completed in conformity with Good Working Methods and with the regulations in force. Before installing the product, carefully read the instructions. Bad installation could be hazardous.

The packaging materials (plastic, polystyrene, etc.) should not be discarded in the environment or left within reach of children, as these are a potential source of hazard. Before beginning the installation check that the product is in perfect condition.

Do not install the product in explosive areas and atmospheres: the presence of flammable gas or fumes represents a serious threat to safety.

The safety devices (photocells, sensitive edges, emergency stop, etc.) must be installed taking into account: the provisions and the directives in force, Good Working Methods, the installation area, the functional logic of the system and the forces developed by the motorised door or gate.

 Before making power connections, check that the rating corresponds to that of the mains supply A multipolar disconnection switch with a contact opening gap of at least 3 mm must be included in the mains supply. Check that upstream of the electrical installation an adequate residual current circuit breaker and an overcurrent cut out are fitted. When requested, connect the motorised door or gate to an effective earthing system carried out as indicated by current safety regulations. During installation, maintenance and repair operations, cut off the power supply before opening the cover to access the electrical parts.

 To handle electronic parts, wear earthed antistatic conductive bracelets. The manufacturer of the motorisation declines all responsibility in the event of components which are not compatible with the safe and correct operation of the product. For repairs or replacements of products only original spare parts must be used.

## EC DECLARATION OF CONFORMITY



Manufacturer: DITEC S.p.A.

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Herewith declares that the control panel RO2H (with receiver 433.92 MHz) is in conformity with the provisions of the following EC directives:

Low Voltage Directive 73/23/EEC;

EMC Directive 89/336/EEC;

R&TTE Directive 1999/5/EC.

Caronno Pertusella,  
31-01-2007

Fermo Bressanini

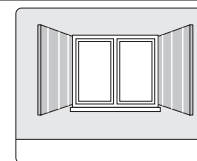
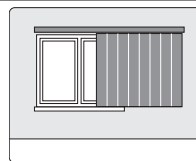
(President)

## TECHNICAL DETAILS

	RO2H
Power supply	230 V~ / 50Hz
Motor output	12 V= / 1,4 A
Temperature	-20° C / +55° C
Radio frequency	433,92 MHz
Memorizable radio codes	200

## APPLICATIONS

### RO2H






## 1. ELECTRICAL CONNECTIONS


### 1.1 Commands

Control		Function	Description
0 — 3	N.O.	OPENING	The opening or step-by-step operation is activated when the contact closes (see paragraph 1.4). <i>Note: a 0-4 command causes the stop during an opening manoeuvre.</i>
		OPERATOR PRESENCE DEPENDENT CONTROL	The automation opens when the contact is pressed for more than 2 seconds and stops when the contact is released. The two wings on the RADIUS automation stop together.
		PARTIAL OPENING	<b>(Only RADIUS)</b> During the opening operation from a closed position, a second opening command stops the operation.
0 — 4	N.O.	CLOSING	The closing or step-by-step operation is activated when the contact closes (see paragraph 1.4). <i>Note: a 0-3 command causes the stop during a closing manoeuvre.</i>
		HOLD TO RUN FUNCTION	The automation closes when the contact is pressed for more than 2 seconds and stops when the contact is released.

## 1.2 Output and accessories

Output	Value	Description
	12 V= / 1,4 A	<b>Motor 1 (M1).</b> Connect with 0.5 mm <sup>2</sup> / max. 3 m power supply cables.
	12 V= / 1,4 A	<b>Motor 2 (M2).</b> Connect with 0.5 mm <sup>2</sup> / max. 3 m power supply cables.
	12 V= / 4 A	<b>12 V electric block. (Only RADIUS)</b>

## 1.3 Adjustments

Button	Description
<b>PRG</b> 	Radio programming button.

## 1.4 Settings

Application	Wings	Overlapping	Step-by-step [*]	Closure one wing at a time	OM	DIP1	DIP2	S1	S2
OLLYE	1				OFF 	OFF 	ON 	OFF 	OFF 
RADIUS	1				OFF 	OFF 	OFF 	OFF 	OFF 
RADIUS	1		✓		OFF 	OFF 	OFF 	ON 	ON 
RADIUS	2				ON 	OFF 	ON 	ON 	OFF 
RADIUS	2		✓		ON 	OFF 	ON 	ON 	ON 
RADIUS	2	✓			ON 	See paragraph 1.5	OFF 	OFF 	ON 
RADIUS	2	✓	✓		ON 		OFF 	ON 	ON 
RADIUS	2	✓		✓	ON 		OFF 	OFF 	OFF 
RADIUS	2	✓	✓	✓	ON 		OFF 	ON 	OFF 

[\*] The step-by-step operation modifies:

- the opening command (0-3 and radio CH1) in the open-stop-open sequence.
- the closing command (0-4 and radio CH2) in the close-stop-close sequence.

## 1.5 Dip-Switches

	Description	OFF 	ON 
DIP1	Opening with overlap.	Right leaf overlapping the left leaf.	Left leaf overlapping the right leaf.

## 1.6 Segnalazioni

LED	ON	Blinking
POWER	Power supply on.	/
SIG	Indicates the transmitters enabling/memorisation phase.	Indicates the reception of a radio transmission.
IN	Indicates the reception of a command or a variation of the dip-switch and jumper.	/

## 1.7 Radio programming

Follow the instructions in the related manual to program the radio transmitter.

## 1.8 Single and centralised multilevel commands

The shutters of the house can be opened and closed with a single command, or by means of centralised multilevel commands (room commands, floor or zone commands and general commands), by making the connections indicated in the automation's manual.

## 2. STARTING

- 2.1 Set the application as indicated in paragraphs 1.4 and 1.5.
- 2.2 Connect possible remote and centralised controls.
- 2.3- Turn on the power.
- 2.4 Give opening and closing commands and check the correct movement of the automation.  
*Note: the automation will stop if an obstacle is present.*
- 2.5 Check that the radio transmitters are functioning correctly if installed.
- 2.6 Check that the blocking devices are functioning correctly if installed.
- 2.7 **(RADIUS only)** Once the start and control has been completed, dismantle the arms, fix the profile lid and assemble the arms again. Close the automation.  
*Note: tighten the screws that secure the arms to the motors so that the force of the motor when operating does not cause the arm to slip. Also check if it is possible to move the wings manually with the power off.*  
**(OLLYE only)** The automation is not reversible, but to guarantee suitable locking during the night, a locking device must be installed.

### All right reserved

All data and specifications have been drawn up and checked with the greatest care. The manufacturer cannot however take any responsibility for eventual errors, omissions or incomplete data due to technical or illustrative purposes.