

# Radius

ENG Automation for swing shutters



Advanced entrance technology

## Practical, safe, adaptable and versatile

### Small in size, big in performance

Small, discreet and quiet, Radius features a simple action opening and closing leverage system, which makes it an ideal automation for domestic swing blinds and shutters. It can be flush mounted or concealed inside window frames, where its compact size or anodised casing makes it very unobtrusive.

### Easy and practical to use

Practical and versatile, this automation is fitted with a specially designed mechanical arm, which allows it to operate window panels even if fitted with security external metal grilles. This feature is particularly useful as it allows shutters to be opened and closed without having to go outside or, in case of bad weather, without having to open the windows.

### Safe

The automation is safe to use, as the voltage required to operate it is very low (12 V). Its reversible motor makes it easy to release it in case of power failure, whilst its special Radius Lok device safely locks the window panels in position.

### Fully versatile

The mechanically operated, adjustable arms and the pre-drilled holes make Radius an easy to fit and fully versatile automation, suitable for different wall sizes and hinge shapes. The runners are zinc plated, but may also be painted, if so required. They offer a high resistance to oxidising and blend in perfectly in the window frame, to meet all requirements.

### Makes life easier

Radius can be operated from a simple to use wall mounted control or from a remote control, thus ensuring an intelligent opening and closing operation, which simplifies and improves users' small daily tasks. This is particularly beneficial for older or physically impaired users, who will be able to open and close door and window frames from the central control switches without having to move from room to room or to leave the house.



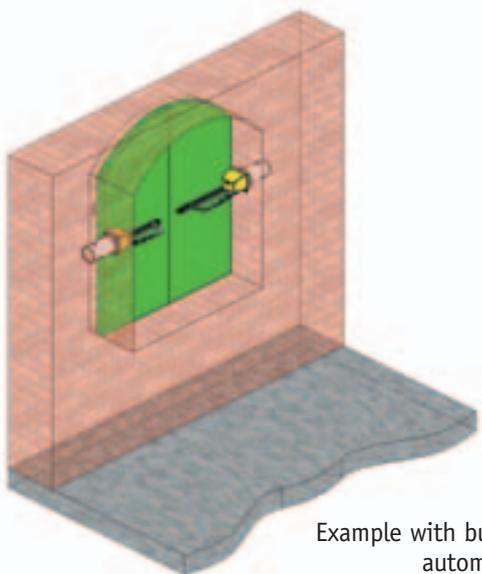
## ▶ Technical specifications

	RADIUS
Electromechanical actuator	for swing shutters
Maximum capacity	30 kg (1 wing) 60 kg (2 wings)
Duty class	2 - light
Intermittent operation	S2 = 7 min / S3 = 15%
Power supply	12 V=
Insulation class	class 3
Input	1.4 A
Torque / Thrust	23 Nm
Opening / Closing speed	12 s/180°
Operating temperature	-20°C / +55°C
Protection rating	<sup>①</sup> IP 44
Product dimensions (mm)	70x52xL
Control panel	R02H

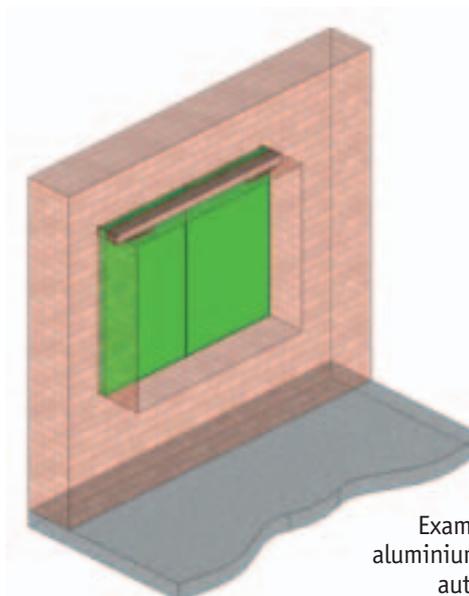
① With aluminium profile

## ▶ System and control panel functions

	RADIUS R02H
Control panel	for 1 or 2 12 V= motors with built-in radio
Mains power supply	230 V~ / 50-60 Hz
Number of motors	1 o 2
Motor power supply	12 V= / 1.4 A
Electrically operated lock	12 V= / 4 A
ODS - Obstruction detection system (causes the automation to stop or reverses operation when an obstruction is detected)	/
Open control	/
Close control	/
Hold-to-run control	/



Example with built-in automation



Example with aluminium profile automation



## Accessories

The wide range of DITEC accessories offers access system fitted with several types of control and monitoring devices.



When building the system, only use DITEC accessories and safety devices.

DITEC automations all feature CE marking and are designed and built in compliance with the safety requirements of the Machinery Directive (2006/42/EC), of the Electromagnetic Compatibility Directive (2004/108/EC) and of the Low Voltage Directive (2006/95/EC) and of other Directives, laws, specific standards for special products and situations.

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The pictures shown in this leaflet were taken with the consent of those concerned or in public locations.

Further information can be found in the Technical Manuals available at the website: [www.ditec.it](http://www.ditec.it)



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