



## **Ditec OLLY E**

Automation for one wing  
door and window sliding  
frames [Original instructions]

IP1919EN  
**Technical Manual**

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## Caption



This symbol indicates instructions or notes regarding safety, to which special attention must be paid.



This symbol indicates useful information for the correct functioning of the product.

# 1. General safety precautions



**Failure to respect the information given in this manual  
may cause personal injury or damage to the device.**

**Keep these instructions for future reference**

This installation manual is intended for qualified personnel only.

Installation, electrical connections and adjustments must be performed by qualified personnel, in accordance with Good Working Methods and in compliance with the current regulations. Read the instructions carefully before installing the product.

Bad installation could be dangerous.



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.

Before installing the product, make sure it is in perfect condition.

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

Before installing the motorisation device, make all the necessary structural modifications to create safety clearance and to guard or isolate all the crushing, shearing, trapping and general hazardous areas.

Make sure the existing structure is up to standard in terms of strength and stability. The motorisation device manufacturer is not responsible for failure to observe Good Working Methods when building the frames to be motorised, or for any deformation during use.

The safety devices (photocells, safety edges, emergency stops, etc.) must be installed taking into account: applicable laws and directives, Good Working Methods, installation premises, system operating logic and the forces developed by the motorised door or gate.

The safety devices must protect against crushing, cutting, trapping and general danger areas of the motorised door or gate.

Display the signs required by law to identify hazardous areas.

Each installation must bear a visible indication of the data identifying the motorised door or gate.

When necessary, connect the motorised door or gate to an effective earthing system that complies with the current safety standards.



During installation, maintenance and repair operations, cut off the power supply before opening the cover to access the electrical parts.

The automation protection casing must be removed by qualified personnel only.

The electronic parts must be handled using earthed antistatic conductive arms. The manufacturer of the motorisation declines all responsibility if component parts not compatible with safe and correct operation are fitted.

Only use original spare parts for repairing or replacing products.



The installer must supply all information concerning the automatic, manual and emergency operation of the motorised door or gate, and must provide the user with the operating instructions.

## 2. Declaration of incorporation of partly completed machinery

(Directive 2006/42/EC, Annex II-B)

The manufacturer Entrematic Group AB, with headquarters in Lodjursgatan 10, SE-261 44 Landskrona, Sweden, declares that the automation for one-wing door and windows sliding frame type Ditec OLLY E:

- is designed to be installed on a manual gate to form a machine pursuant to Directive 2006/42/EC. The manufacturer of the motorised gate must declare conformity with Directive 2006/42/EC (annex II-A) prior to initial machine start-up;
- conforms to the applicable essential safety requirements indicated in ANNEX I, Chapter 1 of the Directive 2006/42/EC;
- conforms to the Low Voltage Directive 2006/95/EC;
- conforms to the Electromagnetic Compatibility Directive 2004/108/EC;
- conforms to the R&TTE Directive 1999/5/EC;
- the technical documentation conforms to Annex VII-B of the Directive 2006/42/EC;
- the technical documentation is managed by Marco Pietro Zini with headquarters in Via Mons. Banfi, 3 - 21042 Caronno Pertusella (VA) - ITALY;
- a copy of technical documentation will be provided to national competent authorities, following a suitably justified request.

Landskrona, 13-01-2013


  
Marco Pietro Zini  
(Entrance Automation President)

### 2.1 Machinery Directive

Pursuant to Machinery Directive (2006/42/EC) the installer who motorises a door or gate has the same obligations as the manufacturer of machinery and as such must:

- prepare the technical data sheet which must contain the documents indicated in Annex V of the Machinery Directive;  
(The technical data sheet must be kept and placed at the disposal of competent national authorities for at least ten years from the date of manufacture of the motorised door);
- draw up the EC Declaration of Conformity in accordance with Annex II-A of the Machinery Directive and deliver it to the customer;
- affix the EC marking on the motorised door or gate, in accordance with point 1.7.3 of Annex I of the Machinery Directive;
- ensure compliance of the motorised door or gate with safety regulations, by installing the necessary safety devices;
- refer to the installation manual of control panel for the operating force adjustments, in compliance with EN12453 and EN12445.

### 3. Technical data

	<b>OLLY E</b>
<b>Power supply</b>	230 V- 50/60 Hz 
<b>Absorption</b>	0,2 A
<b>Motor power supply</b>	19 V $\approx$ 1,8 A
<b>Motor torque</b>	50 N
<b>Speed</b>	0,1 m/s
<b>Max load</b>	80 kg
<b>Max run</b>	3,5 m
<b>Service life</b>	2 - LIGHT
<b>Intermittence</b>	S2= 7 min S3= 15%
<b>Temperature</b>	-20°C +55°C
<b>Degree of protection</b>	IP20
<b>Control panel</b>	RO2H
<b>Radio frequency</b>	433,92 MHz

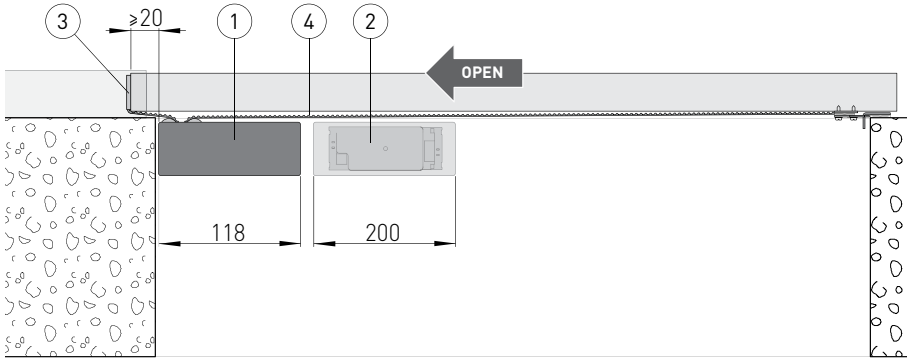
#### 3.1 Operating instructions

**Service class: 2** (minimum 10÷5 years of working life with 10÷20 cycles per day).

**Applications: LIGHT** (For single family type installations with infrequent vehicle or pedestrian access).

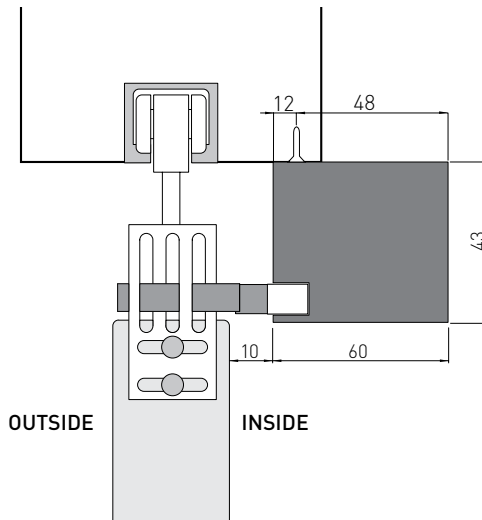
- Performance characteristics are to be understood as referring to the recommended weight (approx. 2/3 of maximum permissible weight). A reduction in performance is to be expected when the access is made to operate at the maximum permissible weight.
- Service class, running times, and the number of consecutive cycles are to be taken as merely indicative having been statistically determined under average operating conditions, and are therefore not necessarily applicable to specific conditions of use. During given time spans product performance characteristics will be such as not to require any special maintenance.
- The actual performance characteristics of each automatic access may be affected by independent variables such as friction, balancing and environmental factors, all of which may substantially alter the performance characteristics of the automatic access or curtail its working life or parts thereof (including the automatic devices themselves). When setting up, specific local conditions must be duly borne in mind and the installation adapted accordingly for ensuring maximum durability and trouble-free operation.

## 4. Standard installation



Ref.	Code	Description
1	1JE	Gearmotor
2	R02H	Control panel
3		Belt connection bracket
4		Transmission belt

## 5. Dimensions

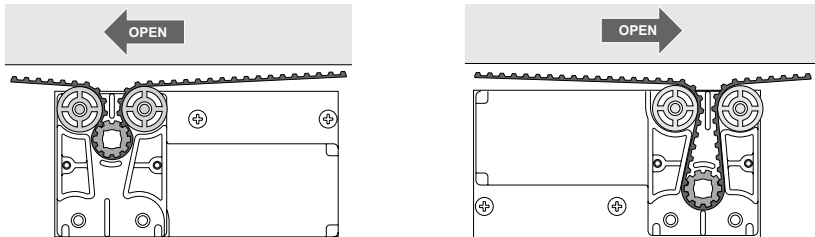


# 6. Installation

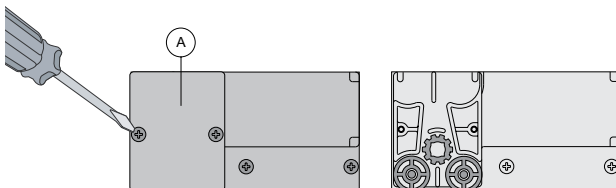
The given operating and performance features can only be guaranteed with the use of DITEC Entrematic accessories and safety devices.  
Unless otherwise specified, all measurements are expressed in mm.

## 6.1 Installation of the automation

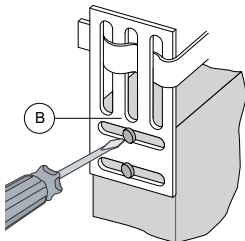
- Check the installation situation: right-hand opening or left-hand opening




- Unscrew plate [A] and insert the belt as shown in figure. Close the plate and tighten the screws.



- Fasten the belt connection bracket [B] to the door wing .



- Fasten the automation to the wall close to the opening side of the door wing and fasten the belt to the bracket.  
Note: the stroke of the door wing must be limited by suitable stops.  
Attention: check that there is at least 20 mm between the gearmotor and the belt connection bracket with the door wing completely open or closed.
- Manually tension the belt. Make any possible adjustments on the door, the belt connection bracket or the wall fixing screws.

 **Attention: the automation is not reversible, but to guarantee suitable locking during the night, a locking device must be installed.**

# 7. Electrical connections



NOTA: the electrical connections and start-up of the OLLY E gearmotor are shown in the R02H control panel installation manual.



Before connecting the power supply, make sure the plate data correspond to that of the mains power supply.

An omnipolar disconnection switch with a contact opening distance of at least 3mm must be fitted on the mains supply.

Check there is an adequate residual current circuit breaker and overcurrent cutout upstream of the electrical system.

Make sure there are no sharp edges that may damage the power supply cable.

## 7.1 Radio programming

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

## 7.2 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 control panel installation manual.

# 8. Routine maintenance plan

Perform the following operations and checks every 6 months according to intensity of use of the automation.

Without 230 V~ power supply:

Check that the fixing screws are holding (automation, arms).

- Check all electrical connections.

Turn on the power.

- Check that the automation is working correctly and that the shutters are moving correctly.



NB: For spare parts, see the spares price list.



Only use original spare parts for repairing or replacing products.

The installer must supply all information concerning the automatic, manual and emergency operation of the motorised door or gate, and must provide the user with the operating instructions.

The installer must prepare and keep a maintenance record showing all the routine and extraordinary maintenance work carried out.



# Operating instructions

## General safety precautions for the user

 These precautions are an integral and essential part of the product and must be supplied to the user.

Read them carefully since they contain important information on safe installation, use and maintenance.

These instructions must be kept and forwarded to all possible future users of the system.

This product must only be used for the specific purpose for which it was designed. Any other use is to be considered improper and therefore dangerous.

The manufacturer cannot be held responsible for any damage caused by improper, incorrect or unreasonable use.

Avoid operating in the proximity of the hinges or moving mechanical parts. Do not enter within the operating range of the motorised door or gate while it is moving.

Do not obstruct the motion of the motorised door or gate, as this may cause a dangerous situation.

The motorised door or gate may be used by children over the age of 8 and by people with reduced physical, sensorial or mental abilities, or lack of experience or knowledge, as long as they are properly supervised or have been instructed in the safe use of the device and the relative hazards.

Do not allow children to play or stay within the operating range of the motorised door or gate.

Keep remote controls and/or any other command devices out of the reach of children, to avoid any accidental activation of the motorised door or gate.

In the event of a product fault or malfunction, turn off the power supply switch. Do not attempt to repair or intervene directly, and contact only qualified personnel.

Failure to comply with the above may cause a dangerous situation.

Any repair or technical intervention must be carried out by qualified personnel.

Cleaning and maintenance work must not be carried out by children unless they are supervised.

To ensure that the system works efficiently and correctly, the manufacturer's indications must be complied with and only qualified personnel



must perform routine maintenance on the motorised door or gate. In particular, regular checks are recommended in order to verify that the safety devices are operating correctly.

All installation, maintenance and repair work must be documented and made available to the user.

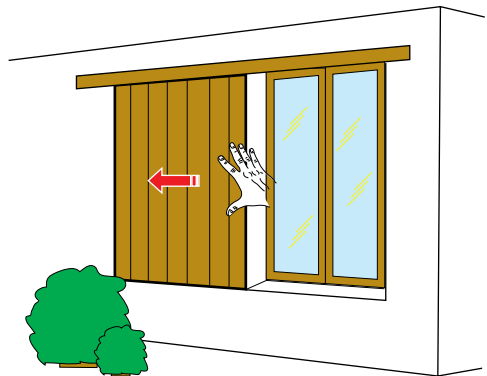
Only lock and release the door wings when the motor is switched off. Do not enter within the operating range of the wing.



To dispose of electrical and electronic equipment correctly, users must take the product to special “recycling centres” provided by the municipal authorities.

## Manual release instructions

In the event of malfunction or if there is no mains power supply, move the leaf manually.



**WARNING:** the door wing block and release operations must be performed with the motor idle.



For any problems and/or information, contact the Technical Service.

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