

TECHNICAL SPECIFICATIONS		391 E	391
Power supply	230 Vac		
Electric motor	24 Vdc		
Absorbed power	140 W	120 W	
Max. torque	250 Nm		
Max. angular speed	13 °/sec		
Max. leaf length**	2.5 m		
Max. leaf weight**	See graph		
Use frequency at 20°C	80 cycles/day		
Consecutive cycles at 20°C	30		
Protection class	IP 44		
Operating ambient temperature	-20°C ÷ +55°C		
Weight	8,7 Kg	7,0 Kg	
Dimensions	185x250x310 mm (LxWxH)		

\* For leaves longer than 2 m, an electric lock must be installed.  
 \*\* Leaf weight depends on length. Check with the graph on the previous page, if your leaf is within the zone indicated on the graph.

TECHNICAL SPECIFICATIONS OF CONTROL BOARD E391	
Power supply	230Vac (+6% -10%) - 50Hz
Absorbed power	20W
Max. motor load	120 x 2
Max. accessories current (I <sub>2AV</sub> )	100 mA
Max. BUS accessories current	400 mA
Operating ambient temperature	-20°C ÷ +55°C
Protective fuses	F1 = self-resetting; F2 = T2A-250V EP, AP
Function logics	90 sec (fixed)
Operating time (time-out)	Varies according to learning (from 0 to 10 min)
Pause time	Open A, Open B, Stop, BUS I/O
Terminal-board inputs	Power supply, battery, RF module
Terminal-board outputs	Motors, flashing lamp, power supply to accessories, electric lock, service light contact (90 sec fixed)
Programmable functions	Logic (AP, EP), Speed (high 13°/sec and low 10°/sec)
Learning functions	Pause time, leaf 2 delayed at closure
Types of integrated radio channels	DS, SSIH (max 250 channels) LC (max 250 channels)

908449004 - Rev.10 - 3000 - Zucchini - 11/2006 - The descriptions and illustrations contained in the present brochure are not binding. FAAC reserve the right to undertake product technical modifications without prior notice.



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# FAAC

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**NEW**



**391**

Articulated arm automated system  
 for swing leaf gates

**FAAC**

# 391

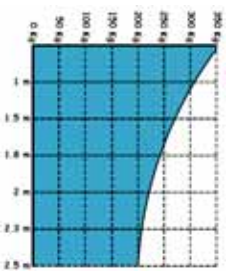
Low voltage (24V) electro-mechanical automated system with articulated arm for swing leaf gates with 2.5 m max leaf length



> **COMPACT ELEGANT DESIGN**  
The width - the crucial overall dimension - is as little as 185 mm!!!

> **VERSATILE, SIMPLE INSTALLATION**  
The articulated arm allows high flexibility for the installation dimensions, enabling use on large pillars.

> **ANTI-BURGLARY NON-REVERSING FACILITY**  
With the non-reversing gearmotor, there is no need to install electro-mechanical closing devices. In case of a power cut, the rotation of the key protected release device alone, makes it possible to move the gate by hand.  
Built-in mechanical stops. **WITH THESE STOPS THERE IS NO NEED TO INSTALL OPENING AND CLOSING MECHANICAL LIMIT STOPS**



PRODUCT RANGE	CODE
Automated system 391 E complete with articulated arm + built-in E 391 control board	104576
Automated system 391	104577



INTEGRATED MULTI-CODING: DS codes (with microswitches), LC (rolling code) and the exclusive SLH (hopping code), enabling direct self-learning between transmitters, and, therefore, no action is necessary on the system's receiver. **SLH FAAC PATENT!**

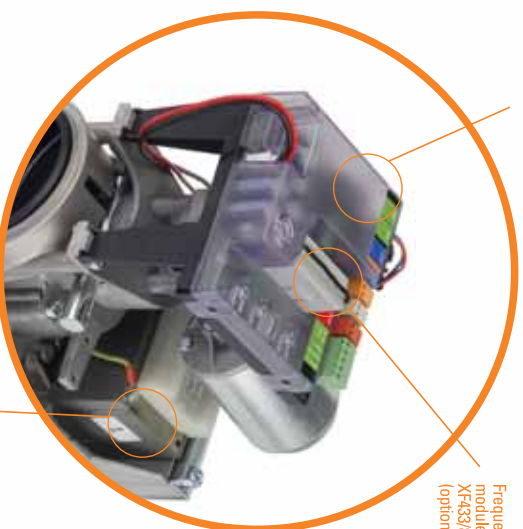


TWO-CHANNEL INTEGRATED DECODING: both total opening and partial opening can be managed with the radio control.  
CONNECTOR SET-UP FOR MODULES WITH FREQUENCY OF XF 433 OR XF 888, to leave maximum freedom in selecting the transmitter.  
FACILITATED ACCESSORY CONNECTIONS to cut down on installation time.  
CONNECTION OF THE SYSTEM'S Zeasy accessories of BY A NON-POLARISED 2x0.5 mm<sup>2</sup> cable.



- > **AUTOMATIC LEARNING OF WORK CYCLE** with automatic memory-saving of travel limit positions and slow-downs. At the end of the initialising cycle, the automated system operates correctly without further adjustments.
- > **THE ELECTRONIC ANTI-CRUSHING DEVICE** makes it possible to build automated systems conforming to European Directives EN12453 - EN12445
- > **ADJUSTABLE SPEED**
- > **ANTI-WIND FUNCTION**
- > **CONNECTION POSSIBLE TO ELECTRIC LOCK**
- > **CONNECTION FACILITY FOR EMERGENCY BATTERY KIT XBAT 24** (optional item for housing on board the automated system)

Protective housing to guarantee safety and good condition of the board.



Frequency module Xf433/888 (optional)

Transformer and electric motor pre-wired to a connector

Painted articulated arm

# FAAC

Modular containing electric motor and control board (models 391E)



Rotating, key protected, release device

## 391 ACCESSORIES

- > **EMERGENCY BATTERY KIT XBAT 24 CODE 390923**  
The buffer battery kit can be accommodated inside the housing of the automated system, enabling it to operate even in the event of a power cut.
- > **FREQUENCY MODULE XF 888 MHZ CODE 319007 / XF 433 MHZ CODE 319006**  
Select according to the transmitter chosen to control the automated system
- > **WALL FITTING PLATE CODE 737403**
- > **PHOTOCELL XP15 B CODE 785149**  
This safety device is designed for the 'Zeasy' connection.