

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	185x260x310 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 (+24V)	100 mA
Max. BUS accessories current	400 mA
Operating ambient temperature	-20°C ÷ +55°C
Protective fuses	F1 = self-resetting; F2 = T2A-250V
Function logics	EP, AP
Operating time (time-out)	90 sec (fixed)
Pause time	Varies according to learning (from 0 to 10 min)
Terminal-board inputs	Open A, Open B, Stop, BUS (I/O)
Connector 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, SLH (max 250 channels) LC (max 250 channels)

90844004 - 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.



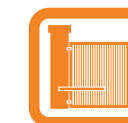
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NEW



391

Articulated arm automated system  
for swing leaf gates

FAAC

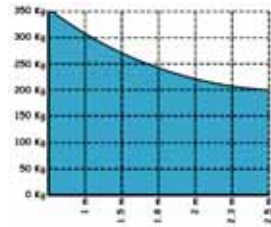
391

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 868, to leave maximum freedom in selecting the transmitter.  
FACILITATED ACCESSORY CONNECTIONS to cut down on installation time.  
CONNECTION of the system's "2easy" 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 XF433/868 (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 868 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 "2easy" connection.