



# FAAC

Sliding gate operator for gates  
with a maximum weight of 600kg



## 746 Range

The 746 range with its compact size is ideal for residential and low use commercial applications.



**Reliable. Affordable. Dependable.**

# FAAC

...Leading the way.



**Excellence in Automation**

## 746 Range

### Compact design

The 746 operator is suitable for residential and light commercial use with a compact design. A new inductive limit switch with magnets on the rack aids ease of installation. The control board has been designed with extra safety and ease of use taken into account. The control board has specific terminals for designated stop, safety on closing, safety on opening, and safety edge.

### Safety through innovation

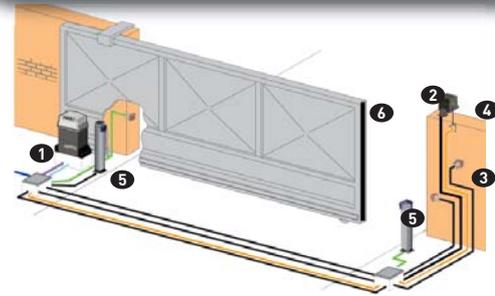
Our exclusive anti-crushing double clutch system creates a safe and sensitive automatic gate. There is also an electronic obstacle detection device which ensures immediate reversal or stopping of the gate if an obstacle is detected, adjustable on a scale of 1 to 50. The control board can allow partial opening of up to 3m for pedestrian access. It also offers the option of maximum torque at initial thrust, providing efficient operation and long life for the system. Cycle programming allows the option of setting a countdown of cycles so that after a certain time, the operator will pause for 8 seconds before opening as a reminder that the unit needs a service. The 2 digit display provides the state of automation - aiding problem solving eg. 00=closed

### Smooth reliability and maximum durability

Designed incorporating constant lubrication of mechanical components, the 746 system ensures a very long trouble free service life. The motor and gear unit delivers smooth performance in a wide range of varying operating conditions.

Known for its extensive range of high quality products and innovative manufacturing techniques, FAAC continue to engineer reliable, versatile, cutting edge automation systems, chosen for residential and commercial installations on a worldwide basis. Providing high quality automation systems for gates, barriers, doors, parking and access control products, FAAC is the leading brand in the automation market.

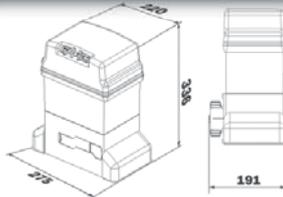
## Installation layout



1. FAAC 746 OPERATOR
2. FAAC LIGHT
3. T10 KEYSWITCH
4. RADIO RECEIVER
5. FAAC PHOTOBEAM
6. SAFETY EDGE

	Low voltage cabling	Power cabling (230V)
A {	4 cables 3x 0.5 2 cables 2x 0.5	B { 1 cable 2x1.5+E 1 cable 2x1.5
NB: Cable diameters in mm <sup>2</sup>		

## Dimensions



## 746 Technical Specifications

	Z16	Z20	CHAIN	CHAIN RF
<b>Power supply:</b>	230 Vac(+6% to -10%) 50 (60) Hz			
<b>Electric motor:</b>	Single-phase, bi-directional			
<b>Absorbed power:</b>	300 W			
<b>Absorbed current:</b>	1.5A			
<b>Motor rotation speed:</b>	1400 rpm			
<b>Thermal protection on motor winding:</b>	120°C			
<b>Clutch:</b>	twin disk in oil bath			
<b>Operating ambient temperature:</b>	-20°C to + 55°C			
<b>Duty cycles:</b>	40 cycles per hour on a 5m gate	50 cycles per hour on a 5m gate		
<b>Gate max length:</b>	40m	50m		
<b>Max weight of gate:</b>	600kg	400kg		
<b>Gate speed:</b>	9.6m/min	12m/min		
<b>Operator weight with oil:</b>	14kg			
<b>Type of oil:</b>	FAAC HP Oil			
<b>Protection class:</b>	IP44			

## 780 D control board specifications

<b>Power supply:</b>	230 Vac (+6% to -10%) 50 Hz
<b>Absorbed power:</b>	10 W
<b>Motor max. load:</b>	1000 W
<b>Accessories max. load:</b>	0.5A
<b>Operating ambient temperature:</b>	-20°C to +55°C
<b>Function logics:</b>	Automatic/ "Stepped" automatic/ Semi-automatic/Safety devices/Semi-automatic B/Dead-man C/ "Stepped" semi-automatic/Mixed B/C logic
<b>Pedestrian opening:</b>	Upto 3m
<b>Run time:</b>	Programmable (from 0 to 4.1 min)
<b>Pause time:</b>	Programmable (from 0 to 4.1 min)
<b>Thrust force:</b>	Adjustable over 50 levels
<b>Terminal board inputs:</b>	Open,Partially Open,Opening safety devices,Closing safety devices, Stop-Edge, Power supply + earth
<b>On-connector inputs:</b>	Opening and closing limit-switch/motor capacitor
<b>Terminal board outputs:</b>	Flashing lamp-motor-24Vdc accessories power supply-24Vdc indicator-light-Timed output-Electric lock command - "Traffic lights" -Fail safe
<b>Rapid connector:</b>	5 pin card connection for Minidec, Decoder or RP receiver
<b>Programming:</b>	3 keys(+, -, F) for programming
<b>"Basic" programmable functions:</b>	Function logic, pause time, thrust force, opening, closing direction
<b>"Advanced" programmable functions:</b>	Torque at initial thrust, braking, Fail safe Pre-flashing, Indicator-light/Timed output/Electric lock or "traffic lights" command, opening and closing safety devices logic, Encoder/Anti-crushing sensitivity, deceleration, Partial opening time, Worktime, Assistance request, Cycle counter
<b>Status indication:</b>	Two digit display

