SECTOR II HIGH-VOLUME BOOM GATES

SECTOR II traffic barriers are built tough and designed to be amazingly easy to install. They deliver up to 100% duty cycle and years of reliable operations and come standard with stainless steel housings and battery backup. Speed. Performance. Intelligence.

SECTOR II is designed to operate with either 240V mains power, extra-low voltage and even solar power installations.

Available with a 3m, 4.5m and 6m boom pole lengths, and can be manufactured in custom colours* to suit your aesthetic requirements.

*Special orders require longer lead times

MAIN FEATURES

Mechanical Features

- Battery backup
- High-volume capability – up to 100% duty cycle for high-volume applications
- Very robust housings constructed out of epoxy-coated 430 stainless steel. Optionally, the SECTOR II may also be ordered with a brushed 316 stainless steel housing for marine environments
- Improved torsional rigidity for reliable operation in windy conditions
- Extended cabinet suitable for larger capacity batteries and special battery tray making solar installations extremely simple
- Included cable saddles along front flange for a neat and tidy installation
- Stylish powder-coated die-cast aluminium lid

Electronic Features

- Easy access to the electronics assembly situated at the top of the housing
- LCD user interface for simple setup
- Diagnostic screens for easy maintenance
- Excellent speed control allows for setting the raising and lowering speeds independently. For example, the boom pole can be set to raise rapidly and lower slowly.
- Integrated ChronoGuard timer technology (a world first) – wide range of Time-barring and Auto-activation features
- Barrier Raise and Lower inputs
- Memory and non-memory barrier activation
- Full configuration of barrier operating parameters including ramp-up and ramp-down speeds
- Fully configurable, automatic lowering
- Onboard multichannel CENTSYS code-hopping receiver with the ability to:
  - Learn transmitter buttons to specific functions (e.g. Barrier Raise, Barrier Lower, etc.)
  - Selectively delete specific transmitters that have been lost or stolen
  - Automatically learn transmitters into the system (Autolearn)
  - Automatically delete transmitters that are no longer in use (Delete-Not-Present)
- The controller sports an onboard multichannel controller allowing for remote control activation of multiple functions
- Free-exit facility using an inductive loop detector or infrared beams
- Remote boom pole status indicator (Pole Position, Power Failure, Low Battery, Multiple Collision Detection and Security Light Status indication)
- Courtesy/Pillar Light Timer with adjustable duration
- Fully configurable Pre-delays with Multi-modal Pre-flash
- Safety/Closing P E Beam input with beam functional test
- Lock/Emergency Stop input
- Ticket Vend Interlock which enables connectivity to a ticket vending machine
- Dedicated menus for seamless integration with CLAWS roadway spikes and traffic lights

Centurion is a Company of the FAAC *Simply Automatic Business Unit*

FAAC *Simply automatic.* 50 YEARS 1965 | 2015

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CENTSYS

TECHNICAL SPECIFICATIONS

Technical Data	SECTOR II 3	SECTOR II 4.5	SECTOR II 6
Input Voltage [1]	240V AC +/-10% @ 50Hz		
Motor Voltage	12V DC		
Motor Power Supply [2]	Battery driven (standard capacity - 7Ah)		
Battery Charger	CP84SM – 1.8A @ 13.7 +/-1%		
Current Consumption (mains supply)	170mA		
Current Consumption (motor rated / peak load)	1/12 A		
Current Consumption (quiescent load)	75mA		
Boom Pole Length	3.0m	4.5m	6.0m
Boom Pole Raise Time	1.2 sec	3 sec	3 sec
Duty cycle	100%		
Design Life	2 000 000 cycles	1 800 000 cycles	1 500 000 cycles
Operations in standby mode with standard battery [3, 4]			
Half Day [4]	3 000 cycles	2 900 cycles	2 900 cycles
Full Day [4]	3 000 cycles	2 300 cycles	2 300 cycles
Collision Sensing	electronic		
Operating Temperature	-15°C to +50°C		
Degree of Protection	IP54		
Controller incorporated	S-Series		
Onboard Receiver Type	NOVA rolling code (Keelog ™ encryption) onboard, multichannel		
Receiver frequency	433MHz		
Receiver code storage capacity	500 Buttons		
Mass of unit packed	44kg	47.5kg	52kg
Packing Dimensions	Length: 440mm Width: 350mm Height: 1250mm		

1. Can operate off a solar supply, consult Centurion Systems for assistance
2. Can increase battery capacity for longer standby times
3. Based on operator excluding closing loop detector
4. Limited by maximum daily usage

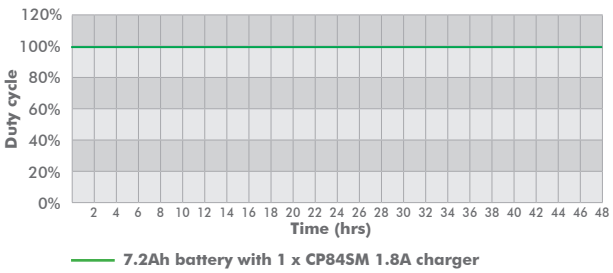
BARRIER HOUSING SPECIFICATION

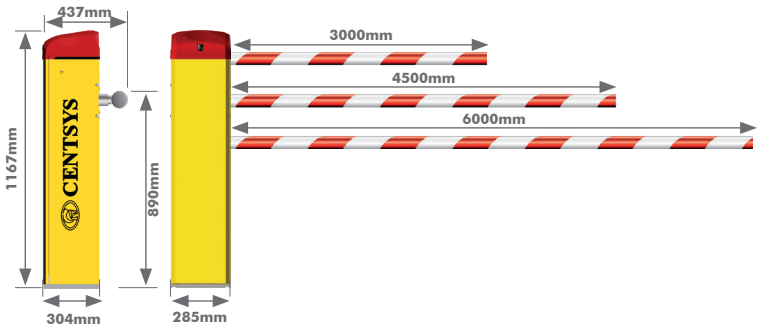
	SECTOR II Grade 430	SECTOR II Grade 316
Application	Coastal plains - no airborne salt	Marine areas
Housing construction	Stainless steel housing, 1.6mm wall thickness with separate fabricated base frame, 3mm wall thickness to raise housing above ground. Separate fabricated stainless steel door with 1.2mm wall thickness. Die-Cast Grade LM24 Aluminium Cover with condensation shield	
Barrier housing surface protection	Grade 430 stainless steel with epoxy coating.	Grade 316 stainless steel, brushed finish
Base frame surface protection	Mild steel hot dip galvanised	Grade 316 stainless steel
Housing colour	Cover: Red, Main Body: Traffic Yellow	Cover: Red, Main Body: Brushed Stainless Steel

BOOM POLE SPECIFICATION

Material and profile	Aluminium, round profile with plastic end cap
Surface protection	Epoxy coating
Colour and markings	White with red reflective tape – spiral pattern
Weight	800g/metre
Dimensions	OD 76.2mm x 1.27mm wall thickness

SECTOR II DUTY CYCLE AS A FUNCTION OF OPERATING TIME





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