



D20 SMART

INDUSTRIAL SLIDING GATE OPERATOR



When it's time to beef up security, you need **real** muscle, the kind that only **the number one in access automation** can deliver. Introducing the brand new **D20 SMART** industrial sliding gate motor. Packing a heavy duty DC motor, this powerhouse can move a gate weighing up to two tonnes like it's nothing. Because the **D20 SMART** has two backup batteries, it gives you uninterrupted security, convenience and peace of mind. With such a rugged design and the toughest exterior, **it's just built that way.**

If your high-volume site calls for the kind of security that never backs down even when it's pushed beyond the limits of other gate motors, make the intelligent choice and get the **D20 SMART.**

Mechanical Features

- Easy retrofit to existing A10 sites – utilises same foundation plate
- Battery tray provides a neat shelf for the two 12V batteries as well as providing channels for routing the wiring.
- More solid cover and overall neat appearance
- Simple battery removal process
- Powerful, reliable and long-lasting 24V DC motor
- Lockable, easy manual override
- Shipped ready for installation with pre-filled oil
- Custom-engineered gearbox moulded from corrosion-proof, durable engineering polymer
- Excellent cable management for an installation that is both neat and flexible
- Easy access to bolts
- Ingenious component assembly literally clicks together in a neat and sturdy manner
- Two dedicated accessory trays hold accessories firmly in place and provide quick and easy access to wiring
- High-security, irreversible steel gearset
- The **D20 SMART's** heavyweight gearbox and brawny electric motor can effortlessly move a 2000kg gate

Electronic Features

- Solar-power ready
- Interactive graphic user interface via a smartphone application
- Automated setup of gate endpoints (limits)
- Independently-adjustable motor speed in both opening and closing directions
- Fail-safe collision detection and auto reverse (adjustable sensitivity)
- Smooth, adjustable start/stop (ramp-up/ramp-down)
- Multiple operational modes
- Anti-tamper vibration sensor
- Selectable, adjustable Autoclose
- Pedestrian (partial) opening
- Positive Close Mode
- Advanced Diagnostics
- Independent safety inputs for opening and closing beams
- Automatic beam test for both opening and closing beams
- Advanced lightning/surge protection
- Intelligent management and labelling of remote controls
- Onboard NOVA code-hopping radio receiver with full channel-mapping capability (limited to 1500 remotes)

A BRAND OF
FAAC TECHNOLOGIES

Call: **FAAC AUSTRALIA - 1300 322 228**

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TECHNICAL SPECIFICATIONS

| Technical Data | D20 SMART | |
|--|--|----------------------------|
| Input voltage | 90V - 240V AC +/-10% @ 50Hz ¹ | |
| Current consumption (Mains) | 250mA | |
| Battery charger current output | 1.8A @ 27.4V +/-1% | |
| Maximum number of operations per day | 750 ^{3,6} | |
| Duty cycle - Mains present ^{2,3} | Continuous | |
| Motor voltage | 24V DC | |
| Motor power supply | Battery-driven (Standard Capacity - 2x 7.2Ah) | |
| Current consumption (motor at rated load) | 9A | |
| Input / Output sink currents (Max accessory current draw) | | |
| I/O 1-4 | 100mA (12/24V) | |
| I/O 5 and 6 | 3A (12/24V) 10sec Pulse | |
| Motor push force - starting | 52kgf | |
| Motor push force - rated | 39kgf | |
| Gate mass - maximum | 2000kg | |
| Gate length - maximum | 25m | |
| Gate speed (varies with load) ⁴ | Up to 18m/min ⁴ | |
| Manual Override | Lockable lever with key release | |
| Drive Pinion | 13T Module 4 | |
| Operations in standby with 2x 7.2Ah batteries | Operating Mode | |
| | Power Saving 15m/min 20kgf | Normal 18m/min 20kgf |
| Half day ^{2, 5, 6} | 101 | 55 |
| Full day ^{2, 5, 6} | 80 | 45 |
| Collision Sensing | Electronic | |
| Operating temperature range | -15°C to +50°C | |
| Onboard receiver type | CENTURION rolling code (Keelogg encryption) multichannel | |
| Receiver code storage capacity | 1500 Remotes ⁷ | |
| Receiver frequency | 433.92MHz | |
| Degree of protection | IP54 | |
| Mass of unit packed (with standard kit, but excl. rack and battery) | 13kg | |
| Packaging dimensions (with standard kit, but excl. rack and battery) | 350mm wide x 282mm deep x 470mm high | |

- Can operate off a solar supply, consult your local dealer for assistance
- Based on 25°C ambient temperature and unit not in direct sunlight
- Based on a motor push force of less than 50% of rated (Starting and Running forces)
- Gate opening and closing speeds can be configured to run slower depending on the requirements of individual installations

- Can increase battery capacity for longer standby times
- Based on 4m gate, excluding all accessories
- Multiple buttons per remote can be used

OVERALL DIMENSIONS

