

TECHNICAL SPECIFICATIONS

Technical Data	RSO5DC	RSO9V2
Input voltage	90V - 240V AC, 50Hz	380V AC 3Ø, 50Hz
Shutter door mass	500kg	900kg
Motor voltage	24V DC	380V 3Ø
Power	220W	550W
Current	4.6A @ 1Ø	3.0A @ 3Ø
Duty cycle	35%	30%
Temperature protector	70°C	120°C
Output shaft rotation	50rpm	40rpm
Gear ratio	55:1	37:1
Gear transmission	Double-row oblique gear	Double-layer oblique gear
Material of gearbox	Aluminium	Aluminium
Drive type	Chain-driven	Chain-driven
Sprocket	9T	10T
Chain	5/8 inch	3/4 inch
Length	450mm	520mm
Net weight	9.64kg	22.5kg
Gross weight	10.4kg	24.5kg
Packing dimensions	Length 265mm x Width: 210mm x Height: 570mm	Length 335mm x Width: 315mm x Height: 630mm

Kit Components	RSO5DC	RSO9V2
Product code	RSO5DC_FKIT	RSO9V2_FKIT
Operator	✓	✓
Sprocket	✓	✓
Drive chain	✓	✓
Taper bush	✓	✓
Integrated wall switch	Intelligent LCD controller	✓
Foundation plate	✓	✓
Backup battery and wallbox	✓	-

FEATURES AND FUNCTIONS

	RSO5DC	RSO9V2
Maximum shutter weight	500kg	900kg
Battery backup	✓	-
Integrated Wall switch	Uses D-Series controller	✓
Manual override facility	✓	✓
Hand chain	✓	✓
Safety beam input	✓	-
Input for ancillary devices, e.g. keypads, pushbuttons, etc.	✓	-
Pillar light input	✓	-
Autoclose	✓	-
Onboard receiver	✓	-
ChronoGuard timer	✓	-
Modes of operation	Standard, Condo, PIRAC, PLC, Deadman, Reversing	NA
Local test button	✓	-



ROLLER-SHUTTER OPERATORS

The power lifters of industrial automation



RSO INDUSTRIAL ROLLER-SHUTTER OPERATORS

The CENTURION industrial **RSO** range has been designed to safely automate extremely heavy roller-shutter doors such as those at entrances to factories and loading bays.

There are two models available, each tailor-made to suit individual installation requirements.

RSO5DC

Incorporates an intelligent LCD controller and reliable battery backup for complete power failure autonomy. It can lift shutters weighing up to 500kg.

RSO9V2

A heavy-duty model utilising a 380V, three-phase power supply, enabling it to lift very heavy shutters weighing up to 900kg.

MAIN FEATURES

A model to suit your needs

Whether you need basic, cost-effective roller-shutter automation or your site calls for something a little more comprehensive, CENTURION has an **RSO** model to suit your unique needs.

Exceptional lifting force

The **RSO5DC** is the complete package: superior lifting force, reliable battery backup and virtually boundless functionality.

Neatly housed within a convenient and secure wall box, two 7Ah batteries provide standby power to this 24V DC titan, while the super-intelligent D-series controller made famous by our D10 slider takes care of just about everything!

Weighing in with a whopping 550W of power and able to lift roller-shutters weighing up to 900kg, is the **RSO9V2**.

This beast, which receives an extra dose of power via a three-phase supply, provides all the muscle you need to automate exceptionally heavy shutters such as the entrances to airplane hangars.

Robust construction

Two words: Oblique gear. This proven transmission type, coupled with a motor that packs plenty of clout, makes for an industrial roller-shutter operator that makes quick work of even the heaviest of shutters.

Fail-safe manual operation

What is strength without reliability? In the unlikely event that something goes wrong, the **RSO** is committed to keeping you in business, with not one but two modes of manual operation.

Both **RSO** models come standard with a five metre hand chain, ensuring that the shutter can be easily operated even from ground level.

Easy to commission

The strength of a good industrial operator lies not in its complexity, but in its strength. The **RSO** range of operators is exceptionally easy to set up, and commissioning can be done in mere minutes thanks to a user-friendly cam system.

The exceptionally user-friendly **RSO5DC** takes hassle-free setup to a whole new level by adding a degree of intuitiveness, courtesy of an intelligent controller with LCD interface.

Reliable position control

Two mechanical limit switches are the heroes that tame the beast, making sure that the shutter stops accurately in the open and closed positions, every time.

Battery backup

A 24V battery with rapid charger ensures that come low voltages, power spikes or failures, you can always get in or out! (**RSO5DC** only).

Plug and play

The **RSO5DC** comes standard with an LCD-based controller that makes child's play of setting up the roller-shutter. It is literally plug and play – the controller does all the thinking for you (**RSO5DC** only).

Wide range of advanced features

What a pleasure to click through an almost endless list of really useful features – from multiple Modes of Operation, shutter operating parameters, Alarm functions, Positive Close Mode and Real Time Clock and Calendar to enable time-based features – to help diagnostic feedback (**RSO5DC** only).



Alarm features (a world first)

An ambush alarm will alert your security company if the opening or closing beams are interrupted for a predefined, but adjustable, time. Similarly, a Break-in Alarm will go off if the closing beam outside your factory or warehouse is interrupted (**RSO5DC** only. Requires gate safety beams to be installed).