

Commander S & Marshal

Making simple applications, simple
AC Drive & App interface



Warranty terms and conditions apply.

0.18 to 11 kW (0.25 to 15 hp)
1Φ 100 & 200 V, 3Φ 200 & 400 V
Linear V to F, Square V to F, Resistance Compensation

Take charge of motor control and energy savings with the Commander S and Marshal. With a feature set optimised for simple applications, Commander S provides a cost-effective solution for installations that require plug and play convenience straight from the box.

Commander S is the first drive to come with an app interface as a standard feature. The Marshal app is a revolutionary way to interface with the drive covering commissioning, monitoring, diagnostics and support.



Cost Effective

Equipped with unique features designed to save you time, energy and money.



Easy to install

The sleek curved design of Commander S optimises component layout for a small footprint and easy access to terminals. The click-on/click-off DIN rail mount makes installation remarkably easy.



Easy to use

Using our Marshal app (Android/iOS) your drive can be configured in under 60 seconds.



Reliable

Durability is at the core of Commander S design, guaranteeing performance throughout its whole lifetime.



Nidec

Drives

Tap & Go

Just bring your phone near the NFC logo to connect to the drive



Marshal

is your drive expert in the field for:

- Commissioning, even in the box, with no power to the drive.
- Cloning – just tap to write as many drives as you want.
- Sharing configurations via the app, email or messenger.
- Diagnosing system errors and getting support.
- Activating the 5 Year Warranty.
- Finding the nearest CT approved sales and support centre.

Download Marshal



Documentation and downloads



Product documentation and PC tools available for download from:
www.controltechniques.com/support

Commander S Key Technical Specifications

Power & Control

Voltage	1Φ AC 100 & 200 V 3Φ AC 200 & 400 V
Power range	0.18 to 11 kW / 0.25 to 15 hp
Duty rating	Heavy Duty
Input frequency	50/60 Hz
Output frequency	0 to 300 kHz
Switching frequency	4 kHz and 12 kHz
Motor control	Linear V to F, Square V to F, Resistance Compensation
Stopping modes	Coast, Ramp, Ramp & DC Injection Braking, DC Braking with 0 Hz detect, Timed DC Braking, Distance Stop

Communication

Communications	RJ45 for Modbus RTU, NFC for Marshal app interface
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Inputs & Outputs

Analogue	2 x Analogue inputs 1 x Analogue output
Digital	4 x Digital inputs 1 x Digital input / output
Relay	1 x Relay (single pole, double throw relay)

Standards

Approvals	CE, UKCA, cUL, C-Tick, EAC, KC
Product safety standards	IEC/EN/KN/UL 61800-5-1, CSA C22.2 No.274, GB12668.501-2013
Emission compliance	C3 internal EMC filters C1 & C2 with external EMC filters C1 internal EMC filters, for selected 1Φ 200 V variants

Mounting & Environment

IP Rating	IP20
Mounting	Click on/click off DIN rail mount Screw mount 0 mm side by side
Ambient temperature	Operation without de-rate: -10°C to 40°C (14°F to 104°F) Operation with de-rate: -10°C to 60°C (14°F to 140°F) Storage: -40°C to 60°C (-40°F to 140°F)

Approved Nidec Drives Distributor:



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FL_Comm S Distrib_Iss 02_EN 03/25