

COMMANDER S AC DRIVE & MARSHAL APP INTERFACE

MAKING SIMPLE APPLICATIONS, SIMPLE



5
YEAR FREE WARRANTY

Warranty terms and conditions apply.

0.18 to 4 kW (0.25 to 5 hp)
1Φ 100 & 200 V, 3Φ 200 & 400 V

Take charge of motor control and energy savings with the latest addition to the Control Techniques portfolio. 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 new 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.

CONTROL TECHNIQUES

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 4 kW / 0.25 to 5 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
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 Control Techniques Distributor:

Nidec

© 2022 Nidec Control Techniques Limited. The information contained in this brochure is for guidance only and does not form part of any contract. The accuracy cannot be guaranteed as Nidec Control Techniques Ltd have an ongoing process of development and reserve the right to change the specification of their products without notice.

Nidec Control Techniques Limited. Registered Office: The Gro, Newtown, Powys SY16 3BE. Registered in England and Wales. Company Reg. No. 01236886

Part No. 0781-0773-02 04/22