

COMMANDER S AC DRIVE & MARSHAL APP INTERFACE

MAKING SIMPLE APPLICATIONS, SIMPLE



5
YEAR FREE WARRANTY

Warranty terms and conditions apply.

0.25 to 5 HP (0.18 to 4 kW)
1Ø 115 & 208-230 V, 3Ø 208-230 V & 380-480 V

Take charge of motor control and energy savings with the latest addition to the Control Techniques portfolio. With a feature set optimized for simple applications, Commander S provides a cost-effective solution for installations that require plug and play convenience out of the box.

Commander S is the first drive to be supplied with an NFC app interface as a standard feature. The MARSHAL App is our 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 optimizes 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 Control Techniques approved sales and support center

Download Marshal



Documentation and downloads



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

Commander 5 Key Technical Specifications

Power & Control	
Supply Requirements / Power Range	100 V drive: 100 V to 120 V $\pm 10\%$, 0.25 to 1.5 HP (0.18 to 1.1kW) 200 V drive: 200 V to 240 V $\pm 10\%$, 0.25 to 3 HP (0.18 to 2.2kW) 400 V drive: 380 V to 480 V $\pm 10\%$, 0.5 to 5 HP (0.37 to 4kW) Maximum supply imbalance: 2 % negative phase sequence (equivalent to 3 % voltage imbalance between phases)
Supply Frequency Range	45 to 66 Hz
Output Frequency/ Speed Range	0 to 300 Hz
Switching Frequency	4 kHz or 12 kHz
Heavy Duty Overload Capability	150 % for 60 s (from cold), 150 % for 8 s (from hot)
Operating Modes	Linear V to F, Square V to F, Resistance Compensation
Braking Modes	Coast, Ramp, Ramp & DC Injection Braking, DC Injection Braking with 0 Hz detect, Timed DC Injection Braking, Distance Stop
Communication	
Communications	RJ45 for Modbus RTU, NFC for MARSHAL app interface
Inputs & Outputs	
Analog	2 x Analog inputs 1 x Analog output
Digital	4 x Digital inputs 1 x Digital input / output
Relay	1 x Relay (Form C)
Standards	
Approvals	CE, UKCA, cULus, 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 1 Φ 200 V variants
Mounting & Environment	
IP Rating	IP20
Mounting	Click on/click off DIN rail mount Screw mount 0 in (0 mm) side by side
Ambient temperature	Operation without de-rate: -14 °F to 104 °F (-10 °C to 40 °C) Operation with de-rate: 14 °F to 140 °F (-10 °C to 60 °C) Storage: 40 °F to 140 °F (-40 °C to 60 °C)

Approved Control Techniques Distributor:

Nidec