

COMMANDER S AC DRIVE & MARSHAL APP INTERFACE

MAKING SIMPLE APPLICATIONS, SIMPLE



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.



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.

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 S 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:



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