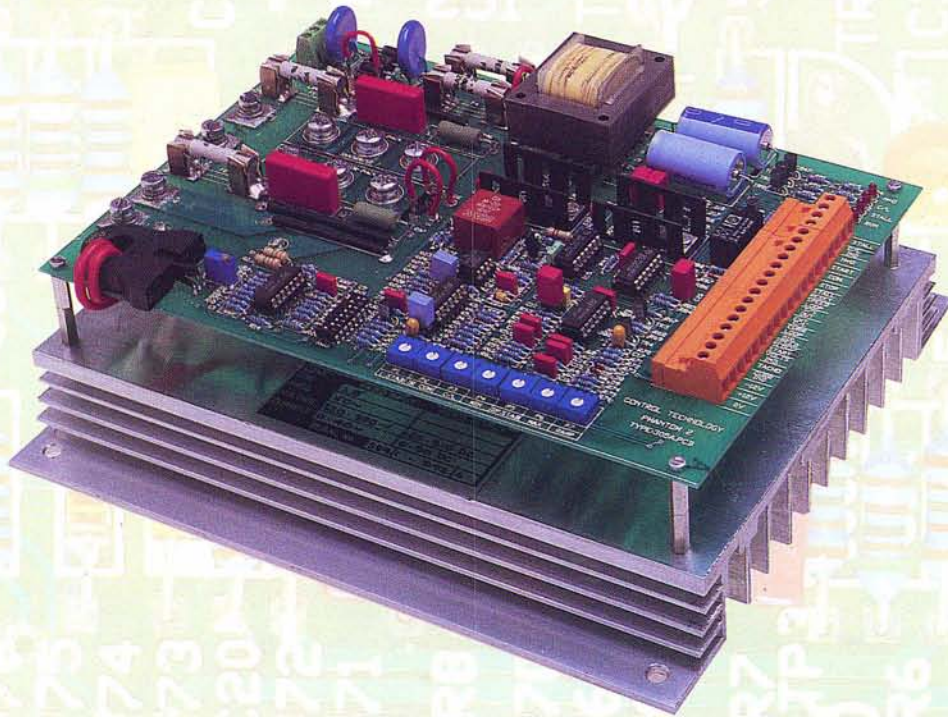


PHANTOM

2



THE PHANTOM RANGE!

A new breed of high tech ultra responsive DC convertors

GENERAL DESCRIPTION

The PHANTOM 2 is a two phase single quadrant convertor designed to give high performance control of DC motors up to 7,5 kW with enhanced system flexibility.

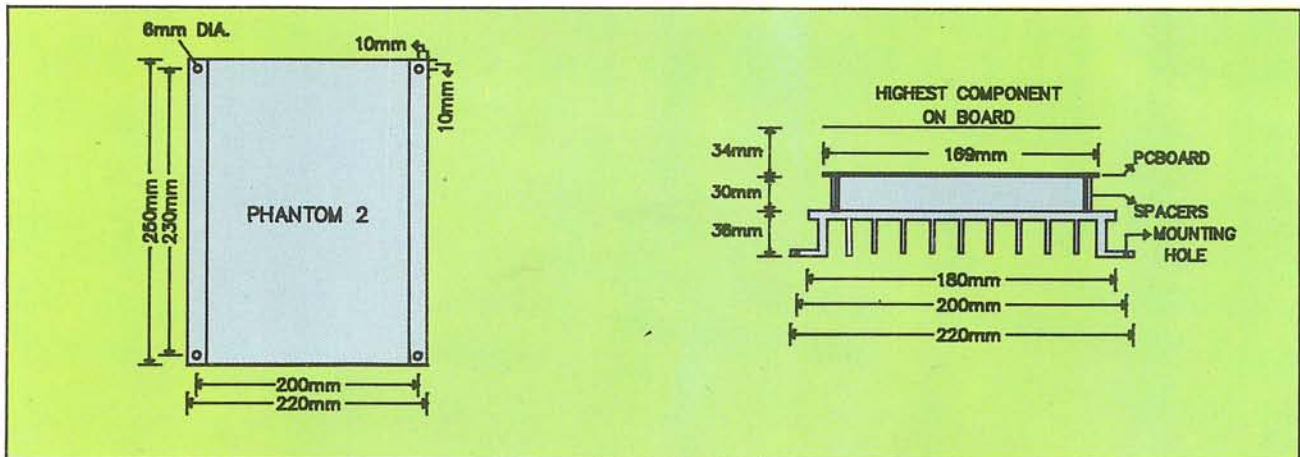
The PHANTOM 2 is economically designed, system orientated and has the ability to be programmed for the full power range.

MAJOR FEATURES

- DIP switch programmable current ranges**
- DIP switch programmable speed ranges**
- DIP switch selection of armature or tacho feedback**
- DIP switch bypass of stall trip**
- Ultra linear torque characteristics**
- Link selectable for 220V or 380V operation**
- Remote signaling of zero speed, current limit and stall trip**
- Normalised reference and feedback polarities all positive**

CON-TECH

PHYSICAL DIMENSIONS



CONTROL AND DESIGN PHILOSOPHY

- Extremely compact size**
- One model covers entire power range** from 0,5 kW to 7,5 kW
- Ultra linear torque response**
- DIP switch programmable** for 4 current ranges
- DIP switch programmable** for 4 tacho voltage ranges
- DIP switch selection** of tacho or armature feedback
- DIP switch selection 180V or 380V** armature feedback
- DIP switch bypass of stall protection**
- Link selectable** for 220V or 380V supply voltage
- Plug on user control connections**
- Normalised reference feedback polarity** simplifies multi drive system design
- Two summed speed reference inputs** one via acceleration/deceleration ramps
- Timed stall protection**
- Fully isolated armature and current feedback**
- Buffered output** of acceleration and deceleration ramps
- Buffered output** for speed and current indication
- LED indication** of 4 drive status and fault conditions
- Open collector signalling** of stall, current limit and zero speed

DRIVE STATUS AND FAULT INDICATION

- Drive started with remote signalling**
- Drive at zero speed** with open collector output
- Drive at current limit** with open collector output
- Drive stalled** with open collector output

SELECTION CHART

MODEL NO.	220V SUPPLY		380V SUPPLY	
	kW	CURRENT	kW	CURRENT
PH2-30	.75	6	1.6	6
PH2-30	1.5	11	3	11
PH2-30	2.2	15	4	15
PH2-30	3.7	26	5.5	22
PH2-30			7.5	30

PHANTOM

2

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