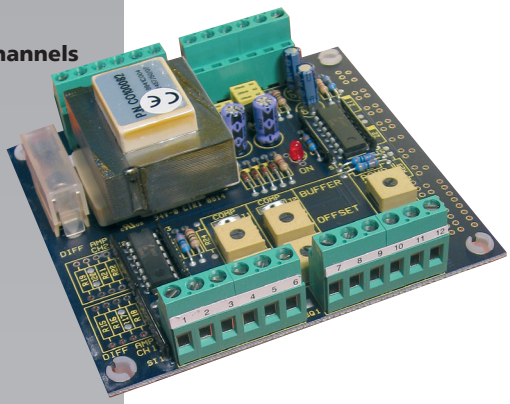
BUFFER

Versatile analog system signal blocks

Ideal for systems applications

Five independent channels

Mains powered



BUFFER CARD

The buffer card is a compact self-powered interface product for signal processing and amplification. The card has 5 independent channels with a large variety of uses, e.g multi setpoint systems, closed loop control, field weakening processor, signal buffering.

CHANNELS 1 AND 2. High accuracy differential amplifier with adjustable gain. Uses include inverting, non-inverting, amplification, attenuation, buffering, rectifying, filtering, load cell amplifier etc.

CHANNELS 3 AND 4. High accuracy summing amplifier with variable gain, voltage input and zero offset adjustment. Uses include summing, scaling, amplification, subtraction, clamping, comparator, integrator, buffering etc.

CHANNEL 5. Linear ramp with variable ramp rate and ramp reset input.

All channels are short circuit protected and can drive upto 10, 10K pots with + or - signals. Also included is a precision power supply with +/-12v and +/-24v outputs, the unit can be powered from 110/240v AC supplies.

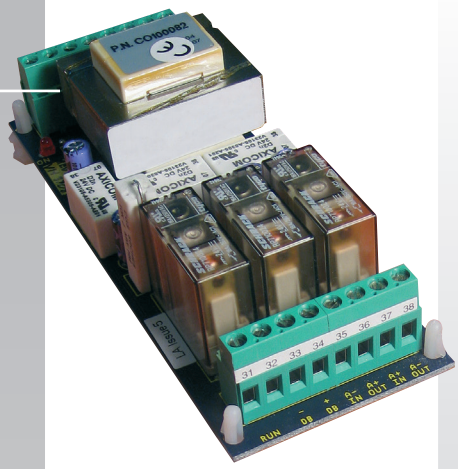
REV UNIT

Designed for use with Sprint 400, 800 and 1200 drives

Robust design for safe reversal from any speed

No additional contactors or relays required

Suitable for any armature voltage up to 180v DC



REVERSING UNIT

This compact unit allows for the safe reversal of DC Motors with armature currents up to 12 Amps. The card possesses all the necessary logic and unlike other available units, all the contactors for reversing and dynamic braking are integral to the unit.

For currents higher than 12 Amps the unit is easily interface with external power contactors.

DPM

Available in two versions 3½ and 4½ digit

Specifically designed for use with drives

Quick and easy to calibrate in any engineering units

Mains powered

Simple slide-in legend facility for process variable



DIGITAL PANEL METERS

A range of digital panel meters contained within a DIN size case.

DPM35S. Three and a half digit panel meter. Features include slide in legend, plug-in screw terminals, display hold, 110/240v AC supply. Display is 14mm red LED with range +/- 1999 and selectable decimal point. The unit is scaleable in engineering units via customer accessible multiturn preset. Any full scale voltage from +/-5v to +/-200v can be adjusted to read any display number. Customer accessible offset control. Full ratio facility with automatic "out of limits", 4-20mA loop input facility. Range adjustment to 100mV and an AC voltage measurement input facility.

DPM35SD. A four and a half digit version of the DPM35S with display reading to +/-19990. All other features included.

SPRINT ELECTRIC