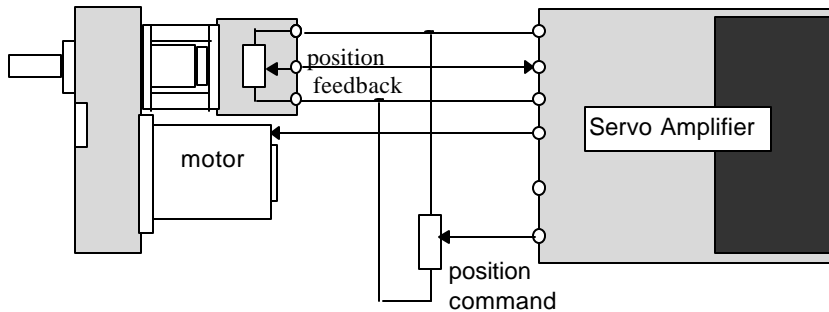


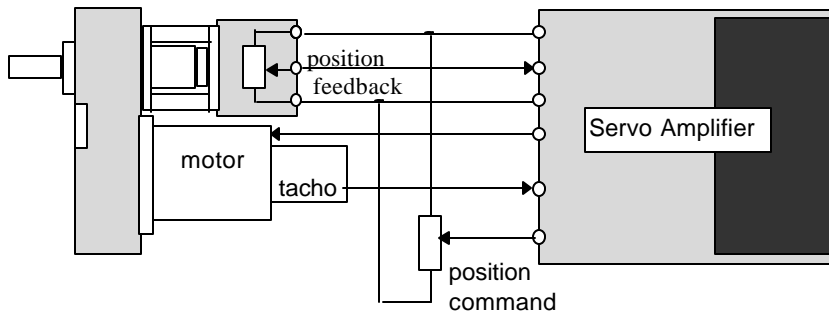


# Typical connections for P5 series dc servodrives

## a) Control of output shaft position using potentiometer feedback



## b) Positioning system utilising tacho feedback to provide velocity damping signal for improved stability



## Typical dc servo motor & amplifier combinations:

Geared dc servo motors	Suitable Amplifier	Power supply for AC operation	Alternative dc supply required
P522-DC012 Series	EM 40	EM 47	$\pm$ 20 Vdc
P518-DC105 Series	EM 40	EM 47	$\pm$ 20 Vdc
P516-DC111 Series	EM40-1	EM47	$\pm$ 20 Vdc
P516-DC... Series **	MSE421-30	EM171	12-28 Vdc
P528-DC... Series	MSE421-30	EM171	12-28 Vdc
<b>Geared dc motor-tacho</b>			
P523-DT012 Series	EM40-1	EM47	$\pm$ 20 Vdc
P528-DT... Series	MSE421-30	EM171	12-28 Vdc

**Note \*\*:** P516 series is not available as *Servodrive* option with integral potentiometer.

As will be seen from above, the EM40 dc servo amplifier is usually used in conjunction with the EM47 power supply for mains powered applications.

Up to three EM40 driven axes may be powered from a single EM47, while it is usually possible to power two EM40-1 driven axes from a single EM47. In all cases where EM40 is recommended, it may be substituted by MSE421 *Euroamp* where operation from a dc source such as a battery is required.