



# CROWN INDUSTRIAL OPERATORS-Safety Devices

Door Hardware, Operators, and Complete Systems

## 1502P35 Dual Channel Adjustable Torque Controller

### Specifications:

Input Power	120 VAC +10% -15%, 50/60 Hz, single phase, 215 VA max.					
Output	Pulse-width modulated full wave rectified D.C. Constant current, switch selectable ranges, 0-90 volt					
Ambient Temperature	+32°F to +113°F (0°C to 45°C) with plastic cover installed +32°F to +150°F (0°C to 66°C) with plastic cover removed					
Circuit Protection	Internal line to line short circuit protection Optional customer supplied fusing on A.C. line, 1.5 Amps, 250 VAC. Fast-acting fuse recommended					
Status indicators	"POWER"—green LED indicates A.C. power is applied to the control. "SHORT"—red LED indicates a short circuit condition exists on one or both outputs.					
Internal Adjustments	Set DIP switches SW1 and SW2 to suit the current draw of the connected connected clutch/brake coil:					
	Switch Range	1	2	3	4	5
	Max Current Draw (mA)	60	175	245	305	533
External Switching	Mechanical or electromechanical—customer supplied: 1 Amp, 125 V minimum rating Solid-state, NPN isolated transistor—customer supplied: 2 Amp, J250 V minimum rating. Maximum off state leakage current <1 mA					

### Common features

- $\varnothing_L$  and  $\varnothing_R$
- Current monitored output maintains consistent torque regardless of variation in coil temperature.
- Switch selection tunes control to exactly match power requirements and operating characteristics of each clutch or brake.
- Individual torque adjust allows preset maximum torque tailored to application requirements.
- Short circuit protection, line to line.
- Torque limiting protects machine components from damage.
- Can be used with electrically released brakes.

### Connection Diagram

