



# California Mill Equipment Company

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## News Update

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4B Components Limited

#### Useful Links:

[www.go4b.com](http://www.go4b.com)

[www.calmill.com](http://www.calmill.com)

[www.pfmetals.com](http://www.pfmetals.com)

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## California Mill Equipment is proud to represent 4B Components Limited:

4B has the world's largest range of elevator components, leading the field in elevator bucket and bolt design and manufacturing the highest quality forged chain and elevator belting. 4B's electronics division specializes in level controls, intelligent sensors and safety control systems that prevent costly downtime and minimize the risk of explosion in hazardous areas. With over 120 years of engineering experience and subsidiaries in America, Europe, Africa and Asia along with a worldwide network of distributors, 4B can provide practical solutions for any application no matter the location.

The M800 Elite speed switch is the industry standard inductive proximity sensor for monitoring shaft underspeed conditions. With two underspeed relay contact outputs and a pulse output, the self contained unit provides the user with easy on site installation and consistent reliability. Totally sealed and simple to calibrate, the M800 Elite works in the harshest of conditions. Used on conveyors, bucket elevators, airlocks, mixers, fans, grinders and many other machines. An inductive sensing device located in the nose of the M800 Elite enclosure will detect a metal target. This target can be an existing bolt head or device attached to a shaft. During installation the M800 Elite is set to the normal machine shaft RPM by calibrating with the magnet provided. The internal microprocessor sets the under speed relays to operate at exactly 10% and 20% below normal machine shaft RPM. So users are able to use the relay contacts to provide a warning when the shaft starts to slow down (10% underspeed) and can provide an automatic shutdown at 20%. If required, the M800 Elite has an additional pulsed output, which can be connected to display actual shaft RPM on a PLC or speed display.

The M800 Elite can be used on conveyors, bucket elevators, airlocks, mixers, fans, grinders and many other machines.

#### Features:

- Microprocessor Controlled Speed Switch
- LED Indication
- Totally Sealed Construction (Submersible)
- Dual Set Points – 10% and 20% Underspeed
- Universal Voltage (24 – 240 VAC/VDC)



Please contact California Mill Equipment Company or your local Cal-Mill Sales Representative with any questions.