SENCON
SENSING • TESTING • GAUGING

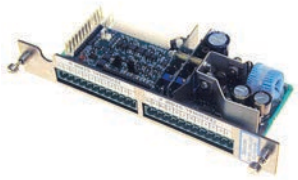
High speed solenoid driver systems

Reduces innacuracies and waste in critical process control applications

Sencon High Speed Solenoid Drivers can be used wherever DC solenoids trigger time-critical applications. Their specially tailored electronics open and close valves as quickly as possible by minimizing delays in the electrical response of the solenoid coil. Typical uses include machine clutches, reject solenoids, glue and sealant applicators, and solenoids subject to cyclic operation on rotating machinery.



- **Suitable for use with 12 or 24 Volt DC solenoids of up to 40 Watt**
- **Trigger inputs are sink or source selectable**
- **14 Volt power rail and inhibit input provided**
- **Three different driver boards available to fit a wide range of applications**
- **Adjustable pick-up time from 5 to 35 ms, and hold voltage from 5 to 17 VDC**
- **Versions for voltage-controlled (DV) and current-controlled (DI) solenoids**



Ordering Information

CODE	DESCRIPTION
SD5042-DV	High Speed Solenoid Driver System – Complete system for two solenoids includes power supply, card cage, fault protection and one dual solenoid driver card all mounted on a 222mm (8 3/4") x 175mm (6 7/8") sub-plate.
SD5044-DV	High Speed Solenoid Driver System – Complete system for four solenoids includes power supply, card cage, fault protection, and two dual - solenoid driver cards all mounted on a 222mm (83/4") x 175mm (6 7/8") sub-plate.

Optional Extras

CODE	ITEM	DESCRIPTION
213-40375-00	Card Cage	Mounts directly to a panel using the built-in standoffs. Power supply connections provided.
213-40375-01	Card Cage	Mounts to commercially available 3" snaptrack. Power supply connections provided.
213-40378-23	Power supply:	230VAC Input, 40/00 DC Output
213-10427-01	Dual Channel DV Solenoid Driver	General purpose use. Two distinct DC trigger signals energize the corresponding solenoids.
213-10427-02	Dual Channel DV Solenoid Driver	For dual acting valves and general purpose use.
213-10563-01	Dual Channel DI Solenoid Driver	For general purpose use. Two distinct DC trigger signals energize the corresponding solenoids.
213-10563-02	Dual Channel DI Solenoid Driver	DFor dual acting valves and general purpose use.

PLEASE NOTE: Most commercially available power supplies do not have the peak power capability required to operate high speed solenoids.

40 Volt DC unregulated power supply with high current rectifier diodes and capacitive energy storage for peak inrush currents during the 'pickup' phase. Supply rating is 70 Watts continuous duty with a much higher peak power rating.

SPRAY TIMING SYSTEMS

Reduce spray gun variation and produce more consistent lacquer film weights with Sencon's Spray Timing Systems.



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HIGH SPEED SOLENOID DRIVERS

FAST AND REPEATABLE RESPONSE: Slow and 'sticky' solenoids play havoc with precise process control. Sencon's High Speed Solenoid Drivers deliver high turn-on voltage, minimum hold voltage and reverse EMF flyback to give a fast and repeatable DC solenoid response. Sencon's solenoid driver technology ensures consistent, reliable results, which translates into direct cost savings.

- For voltage operated DC solenoids up to 40 Watts or for the MEG™ gun
- Power supply does not droop or sag—instant recovery between sprays
- The solenoid switching circuits are in the power module

Systems are available as complete, pre-assembled packages, or you can custom assemble.

STOP SPRAY FAULTS BEFORE THEY BECOME COSTLY QUALITY ISSUES

The SC7050 inspects wet internal lacquer coverage immediately after the Lacquer Spray Machine (LSM), ensuring every can meets quality standards before further processing. By detecting spray failures or degradation at the source, the system provides instant warning and automatically stops only the affected spray machine.

This targeted response prevents defective cans from mixing with compliant production while allowing unaffected spray stations to continue operating. The result is maximum product quality, reduced scrap, and uninterrupted production efficiency.



WORLDWIDE SUPPORT YOU CAN TRUST

We are committed to providing the best customer support worldwide with service engineers based in North and South America, Europe and Asia backed up with technical support from experienced industry specialists based at three technical support centers – you can trust Sencon.

Technical support is easily accessible through our 'Quick Assist' QR codes which offer support via WhatsApp*, email, web chat and telephone. Additionally, our online knowledge base provides support resources for all Sencon products.

***only available in Europe, Asia, Africa and Oceania**



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