DCSC-98 Series

For Medium & High Speed Engines

High Energy CD Ignition System

The DCSC-98™ Series Ignition system is a microprocessor-based capacitor discharge ignition system that offers the highest energy levels of any competitors’ system in the industrial market.

2-Year Warranty

300 Volt DC Primary

Higher energy levels—over other CD systems—improve plug life and reduce the chance of misfire.

Microprocessor Control

- Field-programmable from a laptop PC.
- User-friendly software: color coded parameter display on laptop for ease of monitoring and configuring.
- Accuracy is not dependent on tooth/hole count.
- Communications: RS-485.

Timing Options

Use one or any combination
- Fixed.
- Function of engine speed (internal map).
- Local potentiometer.
- 4–20 mA current loop input (temperature, pressure, etc.).
- Detonation Timing Control (optional).

Crankshaft Reference

- Senses 60 to 500 ring gear teeth or flywheel holes.
- Timing accuracy better than ¼ degree.

Outputs

- Up to 16 individual outputs (1 or 2 coils per output).

Diagnostics

- Displays Error Codes (numeric) on remote display or on laptop PC.
- Internal LED also flashes error codes
- Stores last eight (8) Error Codes in nonvolatile memory for retrieval.

Remote Display Kit (option)
P/N 400A-11423

- Optional parameter display including speed, timing, limited configuration programming (manual stepping switch included), diagnostics, and more.

How to Order

Specify accessories (sold separately):
- Number/type of magnetic pickups or timing disk
- Ignition coils
- Ignition cables (primary and secondary)
- Detonation Timing Control P/N DCSC-98K
- Remote Display Kit P/N 400A-11423

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☎ (954) 739-4300 • Fax: (954) 484-3376 • Website: www.dynalco.com
Accessories
- Full line of capacitive discharge (CD) coils
  - IGC-506 (fully shielded) CSA Approved
  - IGC-505 (integral) CSA Approved
  - IGC-856 (shielded primary) Not CSA Approved
  - IGC-290 (unshielded) Not CSA Approved
- Primary harness
  - CIP-203 CSA Approved
- Secondary harnesses
  - CSA Approved
  - CIS-209, CIS-206, CIS-207, CIS-208
- Primary harness assemblies
  - 270A-11337, 270A-11339 CSA Approved
- Magnetic Pickups
  - Active/Hall Effect
    - M935, M801, M802 CSA Approved
  - Passive
    - CSA Approved
    - M183, M202, M219, M233, M256, M260
    - Not CSA Approved
    - M102, M133, M156, M160

Enclosure
- Identical mounting “foot print” as 90 Series™ CD Ignition enclosure

Remote Display Kit (option)
P/N 400-A-11423
- Optional parameter display including speed, timing, limited configuration programming (manual stepping switch and cable included), diagnostics, and more.

Detonation Timing Control (option)
P/N DCSC-98K
- Integral design for “knock detection”
- Accepts single or dual sensor inputs (DET-100 — CSA Approved)
- Tuneable timing retard rate
- Relay trip output for continuous detonation or sensor failure
- Sensor failure detection
- Field adjustable for sensitivity
- Integral and remote trip reset
- LED display for timing retard signal

Power
- 18–30 Vdc power supply

Weight
- 12.5 lb (5.7 kg)

OUTLINE DRAWING

Dimensions in inches (mm)