

## DISN<sup>®</sup> 800C Digital Ignition System 4-16 Cyls.

- High energy, capacitor discharge ignition suitable for lean-burn engines
- Single pickup system – easy installation
- Accurate ignition timing improves engine performance and start-ability
- Alarm output monitors system operation
- Simple on-board diagnostics for system troubleshooting
- Watertight enclosure for harsh environments

The Altronic DISN 800C is a 12-24 Vdc powered, micro-circuit-based digital ignition system applicable to small and medium-sized stationary gas engines. These systems – offered in 8, 12 and 16 output versions – eliminate moving parts and deliver high timing accuracy and stability by eliminating magneto drive gears and couplings. DISN systems apply to engines up to 16 cylinders with even or odd firing patterns. Incorporating capacitor discharge technology, the DISN 800C systems provide maximum engine performance and extended spark plug life.

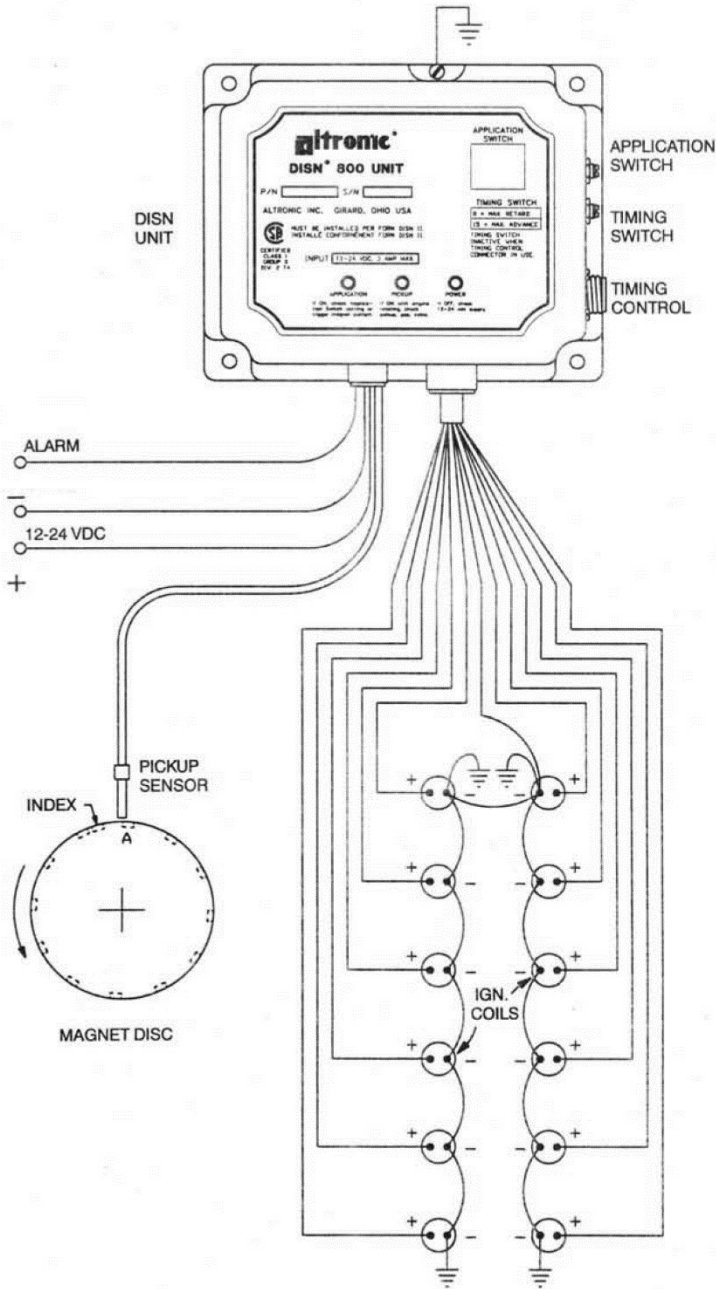
The DISN 800C has multiple firing patterns stored in its memory (EPROM), allowing a single unit to fit a number of engine models. For advance timing control, the DISN 800C units incorporate an analog input for adjustment from an external potentiometer or 4-20 mA current loop. This capability allows for many timing control strategies such as one-step timing adjustment, for example to retard at high ambient temperatures or for a change in fuel type, and operation from any device outputting a 4-20 mA signal. DISN units also feature a 16-position manual timing switch.

On-board diagnostics assist in determining problems with the basic input signals to the ignition; power; pickup, gap and cable; and correct magnet disc pattern for the application.

The required 12-24 Vdc can be derived from a stand-alone power supply packages (see form ALT for additional details). The DISN 800C systems operate with Altronic's negative ground ignition coil family and are compatible with safety shutdown panels operating from negative ground C.D. ignition systems.



# DISN System Layout



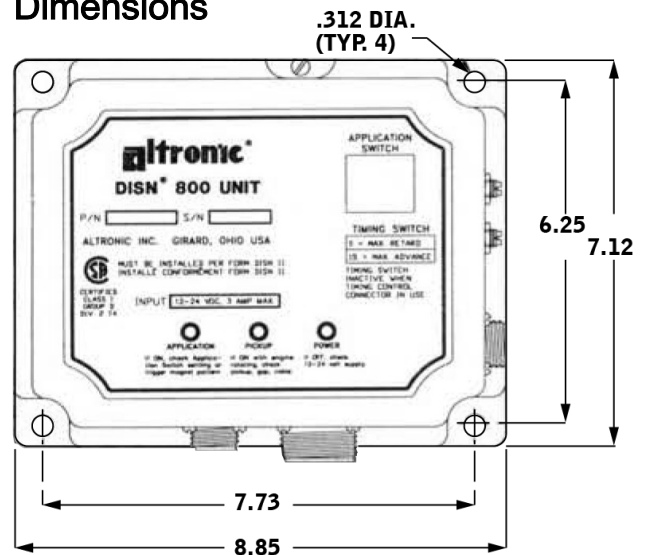
# DISN System Includes

- DISN 800C Ignition Unit
  - 8 to 16 outputs
  - 8 applications in each unit
  - 16-position manual timing switch
  - 4-20 mA timing control
  - 0-1000 ohm timing control
  - System diagnostics
  - Alarm output for ignition fault
- Magnet Disc
- Hall-Effect Pickup Sensor
- Wiring Harness
- \* Ignition Coils – one per spark plug
  - Unshielded, shielded, integral, flange

# Specifications

Number of cylinders .....	4-16
Power requirement.....	12 Vdc, 3.0 amp 24 Vdc, 1.5 amp
Voltage output .....	45kV
Spark duration .....	300-600 usec

# Dimensions



# ALTRONIC

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