

- APPLICABLE TO SPARK IGNITED ENGINES WITH CAPACITOR DISCHARGE IGNITION SYSTEMS
- NUMERICAL OVERSPEED SETTING
- SOLID STATE OUTPUT SWITCH
- TWO MODELS:
 - GENERAL PURPOSE SPEED SWITCH
 - STAND-ALONE OVERSPEED TRIP
- TEMPERATURE RANGE:
 - 40°F. TO 200°F.

altronic®

DIGITAL SPEED SWITCH DO-3300 SERIES



CERTIFIED
CLASS I, GROUP D, DIV. 1 AND 2



TRIP RPM

- is easily set exactly at a known point.
- is easily determinable at a glance at any time.
- is easily lowered to any desired speed for testing.

Model DO-3300

General purpose speed switch operates from an input voltage range of 100-400 V. Can be used for overspeed or other speed switch applications. Isolated output switch turns on above setpoint and off when speed drops below setpoint and allows connection to virtually any output circuit including intrinsically-safe Altronic annunciators.

Model DO-3300A

Overspeed trip model designed for small and medium engine applications using Altronic I, I-6, III, V ignition systems. Can directly short ignition to ground and includes built-in trip capacitor to operate a Murphy tattletale or pneumatic valve. NOTE: DO-3300A is not CSA certified.

The Altronic solid state, digital speed switches operate directly from capacitor-discharge ignition systems. They are applicable to 1-16 cylinders, 2 or 4-cycle engines. The trip RPM is easily set in 10 RPM increments by three rotary switches on the device. The circuit consists of a digital counter operating on a 0.25-0.38 second time base for fast reaction to an overspeed condition. The output circuit uses a solid state switch with a 200 VDC (DO-3300A) or 400 VDC (DO-3300) rating.

OPTIONAL EQUIPMENT

BARRIER FOR CLASS I, GROUP D, DIVISION 1 APPLICATION:

Altronic Barrier accepts ignition input and gives intrinsically-safe output. Use only with model DO-3300.



PNEUMATIC INTERFACE:

Solenoid valve 690 019 series can be tripped by DO-3300 or DO-3300A to allow interfacing to a pneumatic control system.



TO ORDER

DO-3300 SPEED SWITCH

- Use with any C.D. Ignition System, 100-400 Volts
- CSA Certified for Class I, Group D, Division 2
- Isolated Output Switch

DO-3300A OVERSPEED TRIP

- Use with Altronic I, I-6, III, V Ignition Systems
- 100-200 V. Input Voltage
- Directly shorts ignition
- Built-in trip capacitor

CLASS I, GROUP D, DIVISION 1 HAZARDOUS AREA APPLICATIONS:

Use Altronic Barrier (see above) only with model DO-3300.

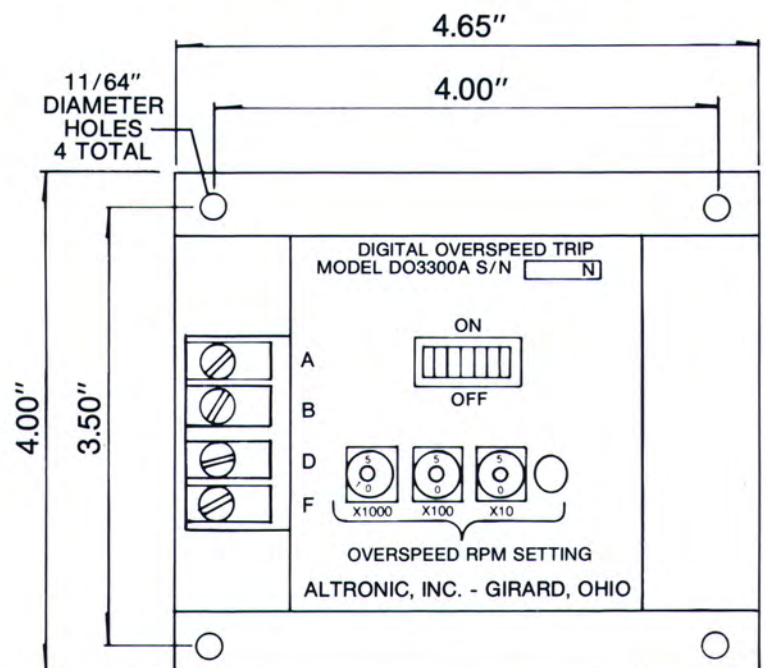
Neg. Ground Ignition	690 107
Pos. Ground Ignition	690 108
Cable Assembly	693 106-1

PNEUMATIC INTERFACE:

Use Solenoid Valve (see above).

2-way Valve	690 019-1
3-way Valve	690 019-2

MOUNTING DIMENSIONS



**altronic[®]
inc.**

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