

DD-20/40NT SERIES DIGITAL ANNUNCIATORS

- Monitors up to 40 electrical contacts to protect vital equipment
- Powered from C.D. ignition, 12-24 Vdc or 110-220 Vac
- Adjustable lock-out timer
- Test mode permits system check without shutting down the machine
- 2 basic systems: Class 1, Div. 1 and 2, Group D
- Rugged, anodized aluminum case

The DD annunciators replace the older Altronic DA and DC series annunciators.

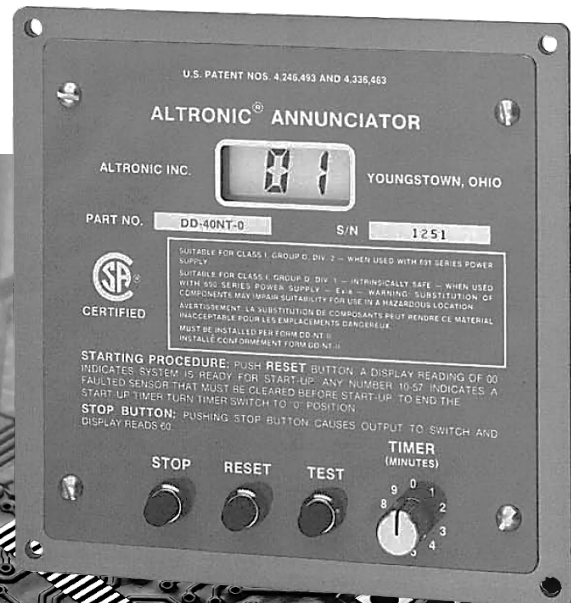
The DD-20NTL and DD-40NTL units which output the fault code in BCD format are now superseded by the Altronic DD-40NTV series. See Form DD-40NTV for details.

The Altronic DD digital annunciators are solid-state monitor and shutdown devices. The annunciator connects to electrical contacts (either normally open or normally closed) which may represent limits on functions such as pressure, temperature, level, etc. Upon sensing a fault on one of the sensor lines, the annunciator displays a 2-digit number representing the first-out fault and generates an output signal. The annunciator can be powered from C.D. ignition systems, 12-24 Vdc or 110-220 Vac.

The Altronic annunciator, available in either 20 or 40-point models, reduces the voltage and current to switch gauges and other sensors to non-incendiary levels thus eliminating contact arcing and providing safe operation in hazardous areas. If intrinsically-safe operation is required for a Class I, Division 1, Group D area, specify the 690 series power supply. For Class I, Division 2, Group D or non-classified areas, use the more economical 691 series power supply.

The DD series annunciators are packaged in a rugged anodized, aluminum case with stainless steel hardware for long life. A quick-disconnect terminal strip is used for all connections for ease of installation and troubleshooting.

 CERTIFIED CLASS I,
DIVISION 1 and 2, GROUP D



Ordering Information

Annunciator Units

20-Point 12/8 class A/B, normally closed	DD-20NT-C
20-Point 12/8 class A/B, normally open	DD-20NT-O
40-Point 24/16 class A/B, normally closed	DD-40NT-C
40-Point 24/16 class A/B, normally open	DD-40NT-O

Power Supply and Cable – Division 1 Application

Negative Ground, C.D. Ignition 100-350V., solid-state output	690101-3
Negative Ground, C.D. Ignition 120-350V., relay output	690112
Positive Ground C.D. Ignition 150-350V., relay output	690110
12-24 Vdc, relay output	690105
110 Vac converter – use with 690105 power supply	690106-1
220 Vac converter – use with 690105 power supply	690106-2
Cable for 690 series Power Supply	693109-1

Power Supply – Division 2 or Non-Classified

Negative Ground, C.D. Ignition 100-350V., solid-state output	691150-1
12-24 Vdc, solid state output, with battery	691155-1
12-24 Vdc, relay output, no battery	691160-1
12-24 Vdc, 4 solid-state outputs, with battery	691180-1

Sensor Adaptors

Common sensor to multiple panels (1 per panel)	691003
Class A to class B, N.O. sensor	691030
Class B isolator, N.C. sensor	691055
Class C sensor N.C.	691012
Class C sensor N.O.	691013
Loss of ignition power, negative ground, N.O. sensor	691029
Loss of ignition power, positive ground, N.O. sensor	691054
Loss of 24 Vdc power, N.O. sensor	691098
Barrier	690107
Barrier Cable	693106-1

Solenoid Valves

2-way valve	690019-1
3-way valve	690019-2

Batteries for 690101-3 Power Supply

Sanyo 2CR-1/3N or Duracell PX28L	601248
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ALTRONIC

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712 Trumbull Avenue / Girard, Ohio 44420
 (330) 545-9768 / Fax: (330) 545-3231
 www.altronic-llc.com / Email: sales@altronic-llc.com

Form DD-NT 8-22 ©2022 Altronic, LLC

Dimensions

