



The Very Best In Training

eNewsletter

April 2008

NTC Introduces Sprinkler NICET Training Course

National Training Center (NTC) is pleased to offer a training program for those seeking NICET Certification in fire sprinkler systems. The course will focus on the Automatic Sprinkler System Layout certification offered by NICET.

Charles Aulner, president of NTC, discusses the new course offering, "This course is the next natural evolution of NTC's course offerings. We've offered NICET fire alarm training since our inception in 2002, and have helped thousands of students achieve their NICET certification goals. We plan to apply the same learning techniques that make our NICET fire alarm program so successful to this sprinkler program as well."

The first sprinkler class will be offered in the month of August as a webinar program. Additional sprinkler webinar and live classes will follow in 2009.

Visit
www.NationalTrainingCenter.net
for details and registration!

Upcoming Classes

April Webinars

- NICET Fire Alarm
- Advanced CCTV
- Access Control

May Webinars

- NICET Fire Alarm
- Advanced NICET Level 3&4
- Security Systems



Webinar Wednesday

- Free Training
 - April 2, 2008
 - "Hiring The Right People"

NICET Fire Alarm Live Classes

- April 14-15 - Charlotte, NC
- April 28-29 - Washington, DC
- June 23-24 - Teterboro, NJ



Networking 101

April 10 - Houston, TX
April 17 - Minneapolis, MN
April 22 - Orange, CA
April 24 - Hingham, MA

Residential A/V Tech Tip Amplifier Size

Selecting the proper size amplifier is critical to the proper operation of a multiroom audio system. Undersized amplifiers are the most common problem in audio applications, resulting in poor quality sound, clipping, distortion, and eventual equipment failure.

Amplifier selection begins with the intended use of the systems. A system that will be played loud will require more amplifier power than a system that is played at background level.

The type of speakers used in the system also affects the power requirements of the amplifier. In wall speakers require less power than box speakers or outdoor speakers.

According to NTC's Green Book, Residential Audio/Video Systems Design and Installation, speakers should be budgeted the following wattage loads on the amplifier:

In Wall/In Ceiling

Background Level – 20 watts/ch.

High Level – 40 watts/channel

Box/Outdoor

Background Level – 40 watts/ch.

High Level – 80 watts/channel

The total wattage loads of all speakers should not exceed 80% of the amplifiers rated wattage. This headroom allows the amplifier to run cooler and allows for growth.

Burglar Alarm Tech Tip Contact Terminology

There is a lot of confusion regarding terminology describing the electrical configuration of a contact. The terms closed circuit and normally closed are used interchangeably, but they are not the same.

According to the NTC Blue Book – Low Voltage Systems Design and Installation, the electrical configuration of a contact describes its electrical state without outside influence, or its “normal” state. A “normally open” contact is a contact that is open circuit when no outside influence (magnet or pressure) is present.

A “closed circuit” contact is a contact that provides a closed circuit in its normal, non-alarm position (when magnet or pressure is present).

Both “normally open” and “closed circuit” describe the same type of contact. This kind of contact is the most common type used in security systems, where the contact provides a complete circuit (closed circuit) when secure, and an open circuit when outside influence is removed (normally open).

NTC Professional Reference Books provide detailed information about the design and installation requirements for all low voltage systems. Visit www.NationalTrainingCenter.net for more information!

