

Features

Provides additional notification appliance circuit (NAC) capacity with flexible operation modes and power-limited design

Four, Class B NACs are standard:

- Rated 2 A each for conventional reverse polarity 24 VDC notification appliances and providing multiple operation modes
- Can be selected to provide synchronization for Simplex® visible notification strobe flashes
- Capable of controlling TrueAlert non-addressable notification appliances operating with SmartSync two-wire control mode**

Input control options:

- IDNet addressable communications from a Simplex model 4007ES, 4010, 4010ES, 4100ES, or 4100U Fire Alarm Control Panel**
- Or from one or two conventional 24 VDC NACs with multiple output control options

IDNet communications control benefits:

- Provides status monitoring and individual NAC control using a single address per 4009 IDNet NAC Extender
- Supports IDNet "Device Level" earth fault location

WALKTEST operation is available with either input choice

Internal 8 A power supply/battery charger:

- Charges internal batteries up to 12.7 Ah or up to 18 Ah batteries in external cabinet
- Provides status monitoring of battery, input power, and earth faults
- Rated 8 A for "Special Application" appliances; including Simplex 4901, 4903, 4904, and 4906 Series horns, strobes, horn/strobes, and speaker/strobes
- Rated 6 A for "Regulated 24 DC" appliance power

Optional 4009 IDNet NAC Extender modules:

- IDNet Communications Repeater provides Class B or Class A output
- IDNet Communications Fiber Optic Receiver/Repeater, available as Class B or Class X
- Four additional Class B NACs, rated 1.5 A for Special Application appliances; 1 A for Regulated 24 DC appliance power
- Class A, Two Circuit Adapter Module

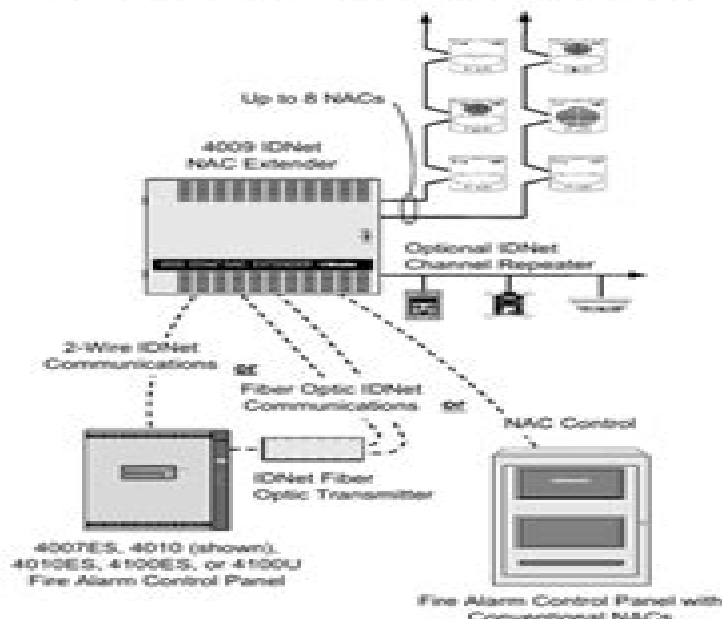
UL Listed to Standard 864

External Accessories

IDNet communication fiber optic transmitters:

- For applications requiring the data integrity available with fiber optic communications
- Available as Class B or Class X
- Mounts in standard six-gang electrical box

External battery cabinet for 18 Ah batteries



4009 IDNet NAC Extender Connection Reference Drawing

Introduction

ADA Compliance. Complying with the notification requirements of ADA (Americans with Disabilities Act) may require more notification appliance power than is available within the fire alarm control panel. When additional power is required, a Simplex 4009 IDNet NAC Extender can provide up to 8 A of NAC power with up to eight, supervised reverse polarity NACs.

Location Flexibility. The 4009 IDNet NAC Extender can be mounted close to a compatible dedicated host panel or can be located remotely for convenient power distribution. Multiple operation modes and multiple connection options further increase location flexibility.

Additional Information. For additional operation detail and application information, refer to Installation Instructions 574-181 and field wiring diagram 842-068.

* ULC listed model is 4009-9209CA. This product has been approved by the California State Fire Marshal (CSFM) pursuant to Section 13144.1 of the California Health and Safety Code. See CSFM Listing T308-5026 214 for allowable values and/or conditions concerning material presented in this document. Accepted for use - City of New York Department of Buildings - MEA35-83E. Additional listings may be applicable; contact your local Simplex product supplier for the latest status. Listings and approvals under Simplex Time Recorder Co. are the property of Tyco Fire Protection Products.

** 4100U requires revision 11 software or higher for compatibility. 4010 requires revision 2 software or higher for compatibility.

Simplex Panel User Manual

R Barnett



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Index of Technical Manuals, Technical Regulations, Technical Bulletins, Supply Bulletins, Lubrications Orders, and Modification Work Orders United States. Department of the Army,1954 *Operator's Manual* ,1989
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TOTAL User Manual Sally C. Johnson,1994 Operator's Manual for Army U-21G Aircraft ,1990 **Army Regulations** United States. Dept. of the Army, Operator's Manual for Army Models C-12A, C-12C, and C-12D Aircraft ,1989 Plastic Optical Fiber Design Manual - Handbook and Buyers Guide ,1993 **Monthly Catalog of United States Government Publications** ,1974 *Operator's Manual for Army OH-58D Helicopter* ,1989 Summaries of Projects Completed in Fiscal Year ... ,1978 **Summaries of Projects Completed in Fiscal Year ...** National Science Foundation (U.S.),1978 Instrument Flying Handbook United States. Flight Standards Service,2001 *Operator's Manual for Army U-21A Aircraft* ,1989 *The Bull Run Steam Plant* Tennessee Valley Authority. Office of Engineering Design and Construction,1967 Bull Run Steam Plant represents a new milestone in the design and construction of large capacity steam electric plants in the TVA power system The initial installation consists of a single unit rated at 950 000 kW Measurement Error in Longitudinal Data Alexandru Cernat,Joseph W. Sakshaug,2021 Measurement Error in Longitudinal Data tackles the important issue of how to understand and estimate change in the context of imperfect data

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web a wireless charging system needs to contain the following circuit elements any type of oscillator capable of producing the resonant frequency a power transistor to serve as an amplifier for driving the primary coil a set of coils that serve as a primary transmitter and secondary for the receiver

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web pmp10709 is a system optimized 50 w power designs for a13 wireless charger transmitter used in automotive system the design has various front end automotive protections such as load dump through tvs iso pulse testing reverse voltage through pfet s body diode battery disconnect switch with ovp protection pfet

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web apr 11 2022 host is a controlling microprocessor with two outputs connected to the charging ic of course you should read the complete technical documentation on the web page ti com product bq51050b tech docs

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web schematic here s a wireless charger schematic fig 2 general wireless power transfer schematic what do we need 1 mm thick wire 7 m 1 dot pcb board one 10k trim pot 103 one 555 timer ic 10 ohm resistors 10k resistors screw terminals 1 mini usb connector male creating the coils