

UZC-256

Universal Zone Coder Software Release 2.0



Annunciator Control Systems

General

The UZC-256 Universal Zone Coder enables the NFS-3030, NFS2-3030, AM2020/AFP1010, NFS-640, NCA, NCA-2, AFP-400/300, System 5000, and System 500 to provide positive non-interfering successive zone coded outputs. Up to 256 separate codes may be programmed to operate on the three coded outputs. Each output is used to code or pulse up to 3 Amps of Notification Appliance power.

Features

- Coded output from the UZC-256 can be fed to multiple output circuits.
- Up to 256 individually programmed codes.
- Three 3-Amp outputs.
- Programmable rounds of code (1 to 99 rounds).
- Up to four digits per round.
- Up to 15 pulses per digit of code.
- Optional general alarm.
- Programmable code and round(s) delay.
- Programmable pulse and digit pause times.
- Connects and communicates over panel EIA-485 interface.
- Programmable for California code.

Release 2.0 Features

- Secondary UZC use: counting alarm operation activates UZC relays after specified number of alarms.
- Programmable address EIA-485 range (1-32).
- No code/counting selection for non-fire points.

Applications

The UZC-256 provides three outputs that supply unique coded information to certain output circuits, depending on the alarm initiation condition. This can be useful when employing coded outputs in floor-above, floor-below applications, or to provide various numbers of rounds for bell circuits and strobe or lamp circuits.

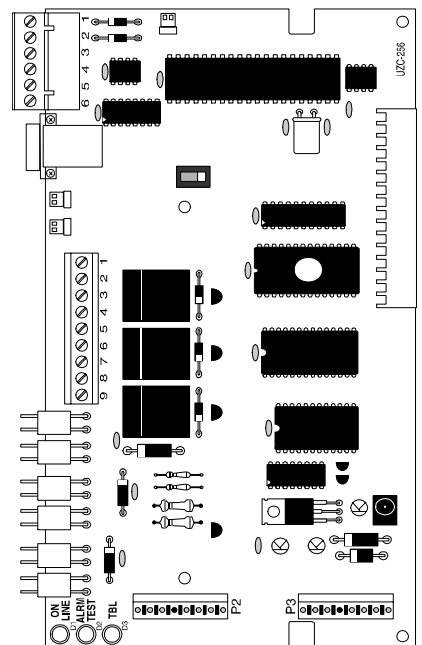
NOTE: Due to the nature of coded outputs, the UZC-256 is not compatible with notification devices which do not produce a steady or non-periodic sound. Periodic appliances that produce their own code (such as some codes available with electronic sounders) will not be compatible with the UZC-256.

Construction & Operation

The UZC-256 provides three coded output relays, each rated for three amps at 30 VDC. These relays are controlled by a predefined program, and can be set to respond to general alarm conditions with the fire alarm system.

The UZC-256 and the CPU use the EIA-485 circuit for communication. When installed, the zone coder has a programmable address on the EIA-485 interface.

Assignment of points to zone codes within the UZC-256 is automatic in the System 5000 and System 500; it is programmable in the AM2020/AFP1010, NFS-3030, NFS2-3030, NCA, and NCA-2 (see programming manuals for details).



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Electrical Specifications

Standby current: 35 mA.

Alarm current: 55 mA.

Installation

Locate the system, including components and peripheral equipment in the following nominal environment:

Temperature: 60° to 80°F (15.6° to 26.7°C).

Relative humidity: 40% to 60% (non-condensing).

Agency Listings and Approvals

In some cases, certain modules or applications may not be listed by certain approval agencies, or listing may be in process. Consult factory for latest listing status.

- **UL Listed:** S624
- **ULC Listed:** CS118/CS733/CBP696
- **MEA:** 289-91-E Vol. III; 290-91-E Vol. III; 291-91-E Vol. II; 17-96-E; 345-02-E; 232-06-E
- **CSFM:** 7165-0028:141; 7165-0028:144; 7165-0028:157; 7165-0028:181; 7165-0028:214 (NFS-640); 7165-0028:224 (NFS-640, NFS-3030); 7170-0028:153; 7170-0028:154; 7170-0028:182; 7170-0028:216 (NFS-640); 7170-0028:223 (NFS-3030, NFS2-3030)
- **Lloyd's Register:** 93/60/40 (E2) (AM2020/AFP1010)
- **FM Approved**

