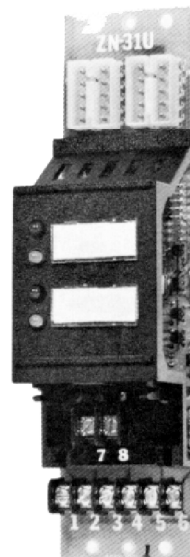


ZN-31U

System 3 Input Module

ENGINEER AND ARCHITECT SPECIFICATIONS

- LED Alarm Indicator
- LED Trouble Indicator
- Dual Zoning
- Placement Supervised
- Solid State Circuitry
-  Listed, ULC Listed, FM Approved



Description

The dual contact zone module, Model ZN-31U, is designed to provide two (2) detector line circuits incorporating contact type devices. These devices may be manual stations, waterflow switches, thermal detectors, relay contacts, etc. Each circuit provides Class "B" supervision. The module also contains two (2) red LED "Alarm" lamps and two (2) yellow LED "Trouble" lamps, one of each for each circuit.

Upon operation of any shorting type device installed on the detection circuit, the system will lock into alarm condition initiating the start of the sequential functions designed into the system, such as ringing alarm bells, operating coded alarm transmitters, closing doors, shutting down fans and equipment, recalling elevators, etc. In addition to the system alarm, the red LED alarm lamp on the face of the module for the particular zone in alarm will be illuminated. The module also provides a current-limited output signal for the zone in alarm for activating a supplementary alarm relay module, or annunciator module. The zone alarm indicating circuits and signaling lamps are reset from the system control panel.

The yellow LED trouble lamps (one for each circuit) will illuminate should a break occur in the detector lines. Such a condition will initiate a system trouble signal. The yellow LED trouble indicators will be extinguished upon restoration of circuit integrity or upon receipt of any system alarm. Both red and yellow LEDs can be lamp tested from the system control panel.

The model ZN-31U is placement supervised, providing a system trouble signal upon removal from the system.

The unit is Underwriters Laboratories, Inc. listed.

Optional Features

The Model ZN-31U can be supplied in normal "lock-in" or "non lock-in" modes as desired.

Engineer and Architect Specifications

Dual detection line circuit monitoring shall be provided by a Cerberus Pyrotronics dual contact zone module, model ZN-31U. This module shall be system interconnected by a ten-pin plug and harness assembly and shall be operable with the main control panel.

Each detector line shall consist of a two wire circuit terminating in an end of line device and shall accommodate contact type devices. Each circuit shall provide Class "B" supervision.

Upon operation of any contact device installed in the circuit, the system shall lock into alarm and the red LED alarm indication lamp (one for each circuit) mounted on the face of the module shall illuminate. A yellow LED

trouble indicating lamp (one for each circuit) also on the face of the module shall illuminate should a break occur in the detection circuit.

All LEDs shall be lamp tested from the system control panel.

The model ZN-31U shall be placement supervised and shall be Underwriters Laboratories, Inc. listed.

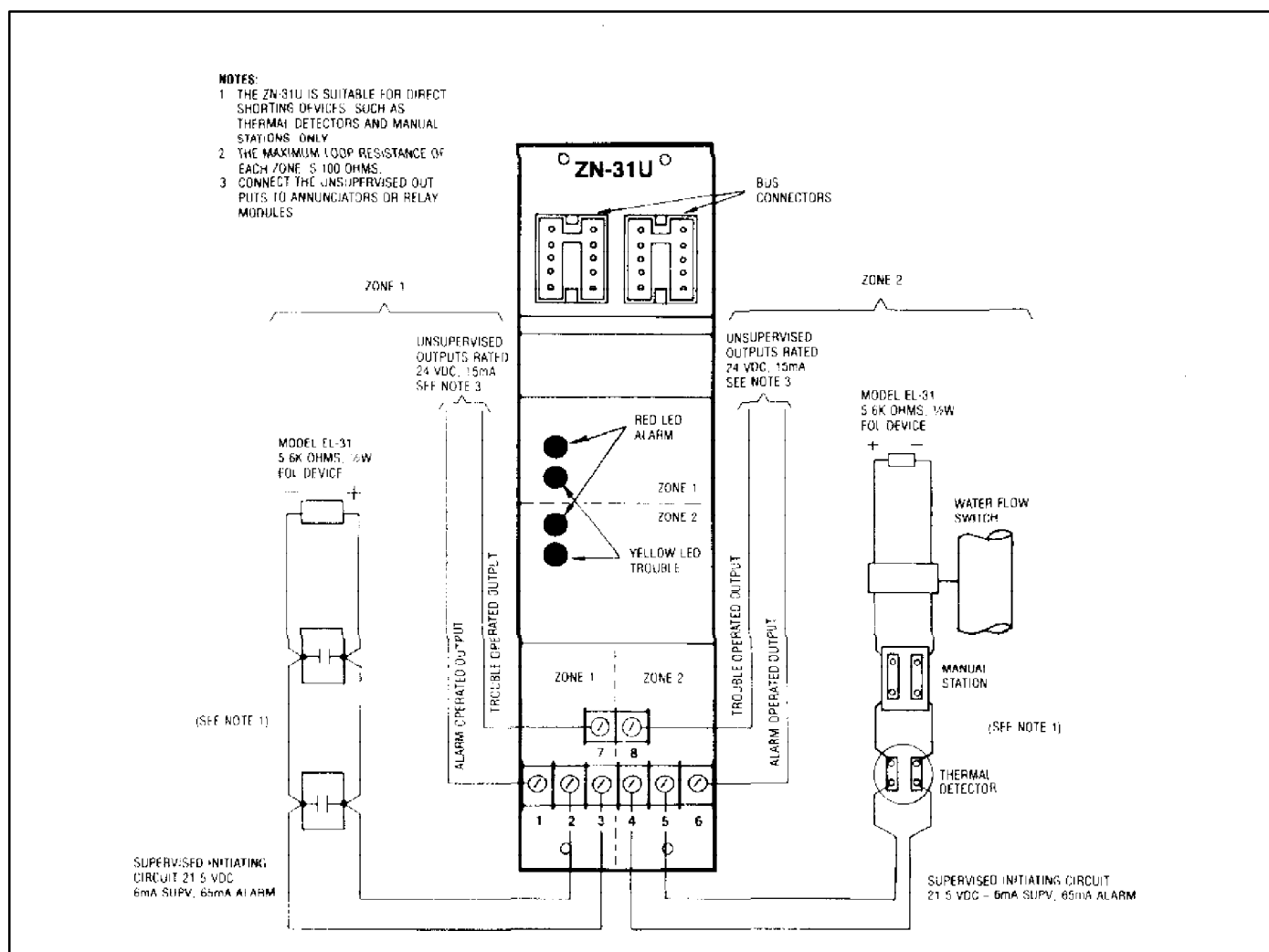
Electrical Information

Current Requirement: Normal - 15mA
Alarm - 110mA per Circuit

Ordering Information

Model No.	Description	Shipping Wt.
ZN-31U	Dual Contact Zone Module	1 lb. (.45 kg.)

Typical Wiring



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10/95
10M
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