Description

The Sprinkler Valve Supervision Modules, Model ZN-34US and Model ZN-34UA, are designed to provide two circuits for the supervision of sprinkler system gate valves and ancillary equipment in accordance with NFPA Standard 72. The module provides two yellow LED indicators per circuit. The first illuminates when a supervisory condition exists and the second when a circuit trouble condition occurs. The module utilizes an end-of-line resistor in parallel with normally open switches to provide this supervision.

The Model ZN-34US provides annunciation of conditions as follows; when a sprinkler valve is closed the supervisory circuit is shorted, the yellow supervisory LED is illuminated and the supervisory module output is energized. The output should be used to operate a separate AE-30U Module with an audible device. When a break in the circuit occurs the module trouble LED is illuminated and the control panel is placed in system trouble. The supervisory condition is non-latching, therefore, the supervisory condition will clear if the sprinkler valve is restored to its normal, open position.

The Model ZN-34UA is a latching device. Operation is the same as the ZN-34US except that the condition latches and can only be cleared through a system reset after the sprinkler valve is restored to its normal, open position.
In addition to gate valves, other sprinkler supervisory limit functions such as water pressure, water level, temperature, air pressure and fire pump supervision may be supervised with the ZN-34US/A.

All module LED's are illuminated when the system reset/lamp test switch on the CP-35 main module is operated.

The ZN-34US/A sprinkler valve supervision module is placement supervised, providing a system trouble signal upon removal from the system.

The unit is Underwriters Laboratories, Inc. and ULC listed, for Sprinkler Supervisory Service.

**Electrical Information**

21.5 VDC at 6mA Supervision and 65mA Supervisory Switch Activated

Maximum loop resistance: 100 ohms

**Ordering Information**

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<td>Dual Zone Sprinkler Valve Supervision Module</td>
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<td>ZN-34UA</td>
<td>Dual Zone Sprinkler Valve Supervision Module Latching</td>
<td>500-894213</td>
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Refer to Installation Instructions P/N 315-094221.
Typical Wiring ZN-34US

Notes:
1. Normally open parallel connected gate valve contacts, or the equivalent.
2. The maximum loop resistance for each zone is 100 ohms.
3. Connect the supervisory contact operated output of the zone (terminal 6 or 12) to the input of a dedicated AE-30U (terminal 5 or 6). Multiple ZN-34US zones may be connected to a single AE-30U. Refer to the CP-35 Wiring Information, P/N 315-085178, for signal factor load units.
4. The ZN-34US is a non-latching device.
Notes:
1. Normally open parallel connected gate valve contacts, or the equivalent.
2. The maximum loop resistance for each zone is 100 ohms.
3. Connect the supervisory contact operated output of the zone (terminal 6 or 12) to the input of a dedicated AE-30U (terminal 5 or 6). Multiple ZN-34UA zones may be connected to a single AE-30U. Refer to the CP-35 Wiring Information, P/N 315-085178, for signal factor load units.
4. The ZN-34UA is a latching device.

Notice: The use of other than Cerberus Pyrotronics detectors and bases with Cerberus Pyrotronics equipment will be considered a misapplication of Cerberus Pyrotronics equipment and as such void all warranties either expressed or implied with regards to loss, damage, liabilities and/or service problems.