

# Zone Sensing VSR Series

 LUMACELL



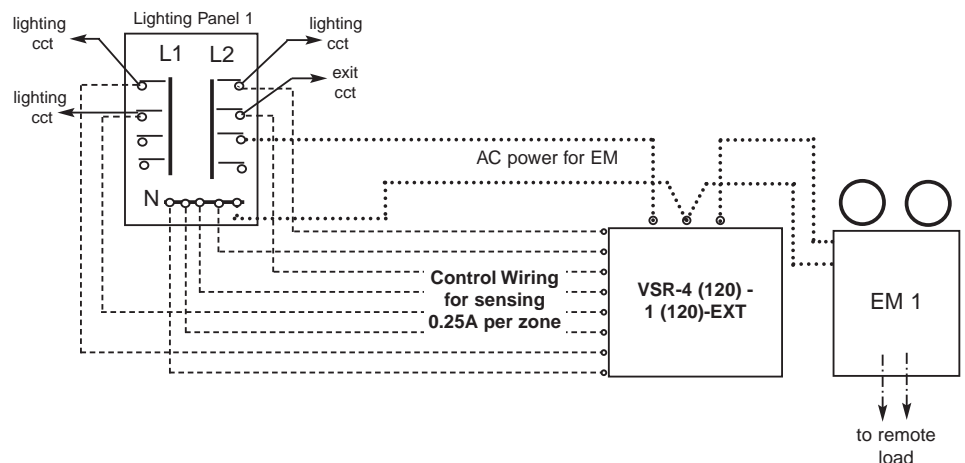
## Operation

The VSR (Voltage Sensing Relay) option activates all of the emergency lighting if only one, multiple or all zones become de-energized through either a power failure or lighting circuit breaker tripping.

This greatly enhances the life safety system, as any failure of a lighting circuit will ensure emergency egress lighting.

A separate test button for each zone enables individual testing of each circuit monitored. The VSR can be specified to be manufactured within a battery pack or in its own separate enclosure.

## Typical VSR-4(120)-1(120)-EXT Wiring



# Zone Sensing Option VSR Series

Project/Location:

Date:

Contractor:

Prepared by:

## Typical Specification

Each battery pack shall be provided with either internally or externally, zone sensing relays. These relays shall be pre-wired by the factory within the battery pack or pre-wired in their own enclosure. Each zone shall have it's own 'push to test' push button mounted on the side of the battery pack or in the case of a separate enclosure, on the enclosure door. Each zone push button shall be clearly identified to the corresponding branch lighting or exit circuit being monitored. Provide a minimum of two (2) spare zone circuits for future use. The zone sensing panel shall be equal to that of a Lumacell model VSR-(number of zones)-(ac voltage of zones)-(number of unit equipment per VSR panel)-(ac voltage of unit equipment)-(class of enclosure), ie: VSR-4(120)-1(120)-EXT



## How to specify or order

e.g.VSR- 5 (347) - 1 (120) -INT

### VSR

# of ccts (zones) or lighting panels monitored	AC voltage of zones	# of Battery Packs Served	AC voltage of Packs	Cabinet	Other Options
	120		120	<b>-INT =</b> VSR supplied in battery pack enclosure	<b>PB =</b> push button zone testing
	240		240	<b>-EXT =</b> VSR supplied in its own EEMAC 1 enclosure	<b>PL =</b> pilot lamp per zone
	277		277	<b>-EXT-DT =</b> VSR supplied in its own EEMAC 12 (Dust Tight) enclosure	
	347		347	<b>-EXT-DTF =</b> VSR supplied in its own EEMAC 4 enclosure	
				<b>-EXT-XP =</b> VSR supplied in its own Classified Area Use enclosure (class, division & group must be specified)	