

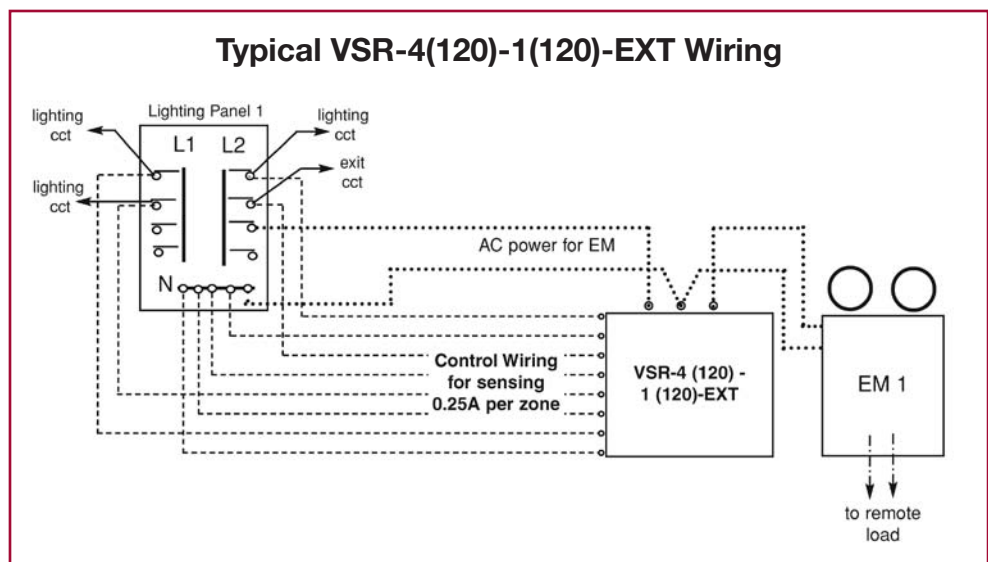
**Zone Sensing Option**

**Typical Specification**

**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.

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 its 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



## Ordering Information

**EXAMPLE:**

e.g.VSR	- 5 (347)	- 1(120)	-INT	
Series	AC voltage of zones	AC voltage of Packs	Cabinet	Other Options
e. g. VSR	120 240 277 347	120 240 277 347	<b>-INT =</b> VSR supplied in battery pack enclosure <b>-EXT =</b> VSR supplied in its own EEMAC 1 enclosure <b>-EXT-DT =</b> VSR supplied in its own EEMAC 12 (Dust Tight) enclosure <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)	<b>PB =</b> push button zone testing <b>PL =</b> pilot lamp per zone
# of ccts (zones) or lighting panels monitored	# of Battery Packs Served			