

Velbus Alarm functions implemented :

- Delayed contacts
 - can be any potential-free contact (switch, magnetic contact, PIR ...)
 - standard 19 seconds entrance and exit delay before triggering
 - used to allow the owner to arm the alarm and to exit without triggering
 - used to allow the owner to disarm the alarm without triggering
 - typically used for the main entrance, garage, back door
- Direct contacts
 - can be any potential-free contact (switch, magnetic contact, PIR ...)
 - triggers the alarm immediately when activated
 - Siren during trigger + 2 minutes
 - Flash as from trigger until manual reset
- Activation / De-activation
 - any device used to activate / de-activate the alarm (activate only possible when no sensor activated)
 - exception process : enable / disable particular zones
 - if a keypad is used, then its potential-free contact is used
 - for security / tampering reasons it is best to invert this channel
 - if a glass panel button is used, then
 - it is recommended to use the OLED version
 - use the long-press feature
 - use a button on a page that needs scrolling
 - display a neutral message eg "Garden" (don't display anything that can be associated with "Alarm")
- Set all addresses of the Alarm modules together in a separate range
 - avoids being mixed up with the rest of the modules
 - once programmed and tested it should not be modified anymore
- Use the SDAUPSA redundant power supply with 2 PSUs and 2 VMBHBAT batteries, because when a BUS power-cut occurs, the alarm is de-activated, hence the need for the redundant PSU with battery

Velbus Modules guidance :

- Name your modules in an easy-to-recognize manner (see examples)
 - VMB7IN = Alarm trigger / PIR
 - Delay 1 = CH1 (can be disabled if needed)
 - Delay 2 = CH2 (can be disabled if needed)
 - Delay 3 = CH3 (can be disabled if needed)
 - Direct 1 = CH4 (can be disabled if needed)
 - Direct 2 = CH5 (can be disabled if needed)
 - Direct 3 = CH6 (can be disabled if needed)
 - Keypad = CH7 (can be disabled if needed)
 - VMB4RYLD or VMB4RYNO = Alarm action (recommended VMB4RYLD with 12VDC feed from Alarm battery connected to SDAUPSA)
 - Buzzer = CH1 - connect a "delayed entry / exit" buzzer
 - Siren = CH2 - connect an alarm in-house siren
 - Direct = CH3 - used for logic
 - Flash = CH4 - connect an alarm flashlight
 - Armed = CH5 - used for logic

