

	LED	VMB8IO-20	VMB8DALI-20	VMB8DC-20	VMB20C-20	VMB4LEDPWM-20	VMB4RYLD-20 & VMB4RYNO-20	VMB8IN-20	VMB8SUMNGR-20
	PS LED off PS LED on	Velbus power supply not present Velbus power supply present	Velbus power supply not present Velbus power supply present	Velbus power supply not present Velbus power supply present	Velbus power supply not present Velbus power supply present	Velbus power supply not present Velbus power supply present	Velbus power supply not present Velbus power supply present	Velbus power supply not present Velbus power supply present	Velbus power supply not present Velbus power supply present
	Rx LED off Rx LED flashing	Velbus idle Packet received on the velbus	Velbus idle Packet received on the velbus	Velbus idle Packet received on the velbus	Velbus idle Packet received on the velbus	Velbus idle Packet received on the velbus	Velbus idle Packet received on the velbus	Velbus idle Packet received on the velbus	Velbus idle Packet received on the velbus
	Tx LED off Tx LED flashing	Velbus idle Acknowledge or packet transmitted to the velbus	Velbus idle Acknowledge or packet transmitted to the velbus	Velbus idle Acknowledge or packet transmitted to the velbus	Velbus idle Acknowledge or packet transmitted to the velbus	Velbus idle Acknowledge or packet transmitted to the velbus	Velbus idle Acknowledge or packet transmitted to the velbus	Velbus idle Acknowledge or packet transmitted to the velbus	Velbus idle Acknowledge or packet transmitted to the velbus
	TERM LED off TERM LED on	Terminator open Terminator closed	Terminator open Terminator closed	Terminator open Terminator closed	Terminator open Terminator closed	Terminator open Terminator closed	Terminator open Terminator closed	Terminator open Terminator closed	Terminator open Terminator closed
	blink blink blink flash flash flash 2x flash 3x flash 4x flash 5x flash 5x flash	RGB LED white blinking RGB LED red not blinking RGB LED violet blinking RGB LED 1 x white flash RGB LED 1 x green flash RGB LED 1 x yellow-orange flash RGB LED 2 x red flashes RGB LED 3 x red flash RGB LED 4 x red flash RGB LED 5 x red flashes RGB LED 5 x yellow-orange flashes	Bootloader started Invalid user application Firmware upgrading Power up mode Run mode Service not running (could be anything) Velbus communication error Velbus low voltage error Velbus high voltage error Heartbeat from CM4 timeout error	Bootloader started Invalid user application Firmware upgrading Run mode Velbus communication error Velbus low voltage error Velbus high voltage error DALI bus error	Bootloader started Invalid user application Firmware upgrading Run mode Velbus communication error Velbus low voltage error Velbus high voltage error	Bootloader started Invalid user application Firmware upgrading Run mode Velbus communication error Velbus low voltage error Velbus high voltage error Error: missing load power supply or one of the channels is in thermal protection Warning: error condition has occurred but has recovered	Bootloader started Invalid user application Firmware upgrading Run mode Velbus communication error Velbus low voltage error Velbus high voltage error	Bootloader started Invalid user application Firmware upgrading Run mode Velbus communication error Velbus low voltage error Velbus high voltage error	Bootloader started Invalid user application Firmware upgrading Run mode: 0...75% load Run mode: 75...75% load Velbus communication error Velbus low voltage error Velbus high voltage error Load > 95%
	blink slow blink fast blink fast+ flash	CH1 LED off CH1 LED slow blinking CH1 LED fast blinking CH1 LED very fast blinking CH1 LED flashing CH1 LED on	Internal DALI power supply disabled Internal DALI power supply enabled	CH1 is at 0% CH1 is at the target dim value (> 0%) and a timer is running CH1 is fading to the target dim value CH1 is at the target dim value (> 0%) and no timer is running	CH1 is at 0% CH1 is at the target dim value (> 0%) and a timer is running CH1 is fading to the target dim value CH1 is at the target dim value (> 0%) and no timer is running	CH1 is at 0% CH1 is at the target dim value (> 0%) and a timer is running CH1 has detected a thermal protection or missing power supply CH1 is at the target dim value (> 0%) and no timer is running	CH1 is off CH1 is (delayed) on and timer 2 is running CH1 is (delayed) on and timer 1 is running CH1 is on	CH1 NO input open or NC input closed or Counter idle or Alarm condition deactivated CH1 Counter pulse occurred CH1 NO input closed or NC input open or Alarm condition activated	 PSU1 load > 75%
	blink slow blink fast blink fast+ flash	CH2 LED off CH2 LED slow blinking CH2 LED fast blinking CH2 LED very fast blinking CH2 LED flashing CH2 LED on	DALI bus is idle Receiving DALI messages DALI bus is short circuited or DALI power supply is missing	CH2 is at 0% CH2 is at the target dim value (> 0%) and a timer is running CH2 is fading to the target dim value CH2 is at the target dim value (> 0%) and no timer is running	CH2 is at 0% CH2 is at the target dim value (> 0%) and a timer is running CH2 is fading to the target dim value CH2 is at the target dim value (> 0%) and no timer is running	CH2 is at 0% CH2 is at the target dim value (> 0%) and a timer is running CH2 has detected a thermal protection or missing power supply CH2 is at the target dim value (> 0%) and no timer is running	CH2 is off CH2 is (delayed) on and timer 2 is running CH2 is (delayed) on and timer 1 is running CH2 is on	CH2 NO input open or NC input closed or Counter idle or Alarm condition deactivated CH2 Counter pulse occurred CH2 NO input closed or NC input open or Alarm condition activated	 PSU1 load 50...75%
	blink slow blink fast blink fast+ flash	CH3 LED off CH3 LED slow blinking CH3 LED fast blinking CH3 LED very fast blinking CH3 LED flashing CH3 LED on	No DALI transmission Transmitting DALI messages	CH3 is at 0% CH3 is at the target dim value (> 0%) and a timer is running CH3 is fading to the target dim value CH3 is at the target dim value (> 0%) and no timer is running	 CH3 is at the target dim value (> 0%) and no timer is running	CH3 is at 0% CH3 is at the target dim value (> 0%) and a timer is running CH3 is fading to the target dim value CH3 has detected a thermal protection or missing power supply CH3 is at the target dim value (> 0%) and no timer is running	CH3 is off CH3 is (delayed) on and timer 2 is running CH3 is (delayed) on and timer 1 is running CH3 is on	CH3 NO input open or NC input closed or Counter idle or Alarm condition deactivated CH3 Counter pulse occurred CH3 NO input closed or NC input open or Alarm condition activated	 PSU1 load 25...50%
	blink slow blink fast blink fast+ flash	CH4 LED off CH4 LED slow blinking CH4 LED fast blinking CH4 LED very fast blinking CH4 LED flashing CH4 LED on	 DALI addressing not in progress DALI addressing in progress	CH4 is at 0% CH4 is at the target dim value (> 0%) and a timer is running CH4 is fading to the target dim value CH4 is at the target dim value (> 0%) and no timer is running	 CH4 is at the target dim value (> 0%) and no timer is running	CH4 is at 0% CH4 is at the target dim value (> 0%) and a timer is running CH4 is fading to the target dim value CH4 has detected a thermal protection or missing power supply CH4 is at the target dim value (> 0%) and no timer is running	CH4 is off CH4 is (delayed) on and timer 2 is running CH4 is (delayed) on and timer 1 is running CH4 is on	CH4 NO input open or NC input closed or Counter idle or Alarm condition deactivated CH4 Counter pulse occurred CH4NO input closed or NC input open or Alarm condition activated	 PSU1 load < 5% PSU1 load 5...25%
	blink slow blink fast blink fast+ flash	CH5 LED off CH5 LED slow blinking CH5 LED fast blinking CH5 LED very fast blinking CH5 LED flashing CH5 LED on	 DALI addressing not in progress DALI addressing in progress	CH5 is at 0% CH5 is at the target dim value (> 0%) and a timer is running CH5 is fading to the target dim value CH5 is at the target dim value (> 0%) and no timer is running	 CH5 is at the target dim value (> 0%) and no timer is running	 CH5 is at the target dim value (> 0%) and no timer is running	CH5 is off CH5 is (delayed) on and timer 2 is running CH5 is (delayed) on and timer 1 is running CH5 is on	CH5 NO input open or NC input closed or Counter idle or Alarm condition deactivated CH5 Counter pulse occurred CH5 NO input closed or NC input open or Alarm condition activated	 PSU2 load < 5% PSU2 load 5...25%
	blink slow blink fast blink fast+ flash	CH6 LED off CH6 LED slow blinking CH6 LED fast blinking CH6 LED very fast blinking CH6 LED flashing CH6 LED on	 DALI addressing not in progress DALI addressing in progress	CH6 is at 0% CH6 is at the target dim value (> 0%) and a timer is running CH6 is fading to the target dim value CH6 is at the target dim value (> 0%) and no timer is running	 CH6 is at the target dim value (> 0%) and no timer is running	 CH6 is at the target dim value (> 0%) and no timer is running	CH6 is off CH6 is (delayed) on and timer 2 is running CH6 is (delayed) on and timer 1 is running CH6 is on	CH6 NO input open or NC input closed or Counter idle or Alarm condition deactivated CH6 Counter pulse occurred CH6 NO input closed or NC input open or Alarm condition activated	 PSU2 load 25...50%
	blink slow blink fast blink fast+ flash	CH7 LED off CH7 LED slow blinking CH7 LED fast blinking CH7 LED very fast blinking CH7 LED flashing CH7 LED on	 DALI addressing not in progress DALI addressing in progress	CH7 is at 0% CH7 is at the target dim value (> 0%) and a timer is running CH7 is fading to the target dim value CH7 is at the target dim value (> 0%) and no timer is running	 CH7 is at the target dim value (> 0%) and no timer is running	 CH7 is at the target dim value (> 0%) and no timer is running	CH7 is off CH7 is (delayed) on and timer 2 is running CH7 is (delayed) on and timer 1 is running CH7 is on	CH7 NO input open or NC input closed or Counter idle or Alarm condition deactivated CH7 Counter pulse occurred CH7 NO input closed or NC input open or Alarm condition activated	 PSU2 load 50...75%
	blink slow blink fast blink fast+ flash	CH8 LED off CH8 LED slow blinking CH8 LED fast blinking CH8 LED very fast blinking CH8 LED flashing CH8 LED on	All DALI channels are at 0% At least one DALI channel is on (> 0%)	CH8 is at 0% CH8 is at the target dim value (> 0%) and a timer is running CH8 is fading to the target dim value CH8 is at the target dim value (> 0%) and no timer is running	 CH8 is at the target dim value (> 0%) and no timer is running	 CH8 is at the target dim value (> 0%) and no timer is running	CH8 is off CH8 is (delayed) on and timer 2 is running CH8 is (delayed) on and timer 1 is running CH8 is on	CH8 NO input open or NC input closed or Counter idle or Alarm condition deactivated CH8 Counter pulse occurred CH8 NO input closed or NC input open or Alarm condition activated	 PSU2 load > 75%
	blink slow blink fast blink fast+ flash	LED1=off LED2=off LED3=off LED4=off LED1=on LED2=off LED3=off LED4=off LED1=off LED2=on LED3=off LED4=off LED1=on LED2=on LED3=off LED4=off LED1=off LED2=off LED3=on LED4=off LED1=on LED2=off LED3=on LED4=off	Signum has no IP Beacon not running (no discovery) Nginx not running (no user interface available) Health service not running Service not running (could be anything)						

