BMS Parameters V2

Parameter	Values	Factory default	Comment
Common			
Short address	FF, 0-63	FF	FF = **no short address** Note: This parameter will not change after a reset command
Device group	No group, G0-G31	No group	Note: Only needed if **event scheme 3** is selected (see parameter "event scheme" in each instance)
Instance 0 (Instance type Motion Sensor)			
Instance active	0,1	1	0 = **No** 1 = **Yes** Note: This parameter will not change after a reset command
Instance group	No group, G0-G31	No group	Note: Only needed if **event scheme 4** is selected
Event scheme	0,1,2,3,4	0	0 = use instance **type** and instance **number** as a "forwarder info" 1 = use **short address** and instance **type** as a "forwarder info" 2 = use **short address** and instance **number** as a "forwarder info" 3 = use **device group** and instance **type** as a "forwarder info" 4 = use **instance group** and instance **type** as a "forwarder info"
Event priority	2,3,4,5	4	2 = **HIGHEST** priority 3 = **HIGH** priority 4 = **LOW** priority 5 = **LOWEST** priority
Enable occupancy event	0,1	1	0 = **No** 1 = **Yes** Note: Activates status "occupied". Will be sent when movement was detected AND status "vacant" was active before.
Enable vacancy event	0,1	1	0 = **No** 1 = **Yes** Note: Activates status "vacant". Will be sent when "hold time" is expired.
Enable movement event	0,1	0	0 = **No** 1 = **Yes** Note: Activates status "movement" and resets the "hold time" timer. Will be sent when movement was detected AND status "No-Movement" was active before.
Enable No-movement event	0,1	0	0 = **No** 1 = **Yes** Note: Activates status "No-Movement". Will be sent when there was no movement for 2-5 seconds AND status "Movement" was active before.
Enable repeat event	0,1	0	0 = **No** 1 = **Yes** Note: Repeats the status info bundled: [(Occupied/Vacant) - (Movement/NoMovement)]. Will be sent repeatedly according to the parameter "report time".
Report time	1s - 255s	20s	**Sets the interval time of the status info** Note: Only needed if **repeat event** is enabled.
Dead time	50ms-12750ms	100ms	Defines the minimum time period between 2 events
Hold time	1s,10s-2540s	900s (15m)	Defines the minimum time period of occupancy status Note: This timer will be reset when movement was detected
Instance 1 (Instance type Light Sensor)			
Instance active	0,1	1	0 = **No** 1 = **Yes** Note: This parameter will not change after a reset command
Instance group	No group, G0-G31	No group	Note: Only needed if **event scheme 4** is selected
Event scheme	0,1,2,3,4	0	0 = use instance **type** and instance **number** as a "forwarder info" 1 = use **short address** and instance **type** as a "forwarder info" 2 = use **short address** and instance **number** as a "forwarder info" 3 = use **device group** and instance **type** as a "forwarder info" 4 = use **instance group** and instance **type** as a "forwarder info"
Event priority	2,3,4,5	5	2 = **HIGHEST** priority 3 = **HIGH** priority 4 = **LOW** priority 5 = **LOWEST** priority
Enable LUX event	0,1	1	0 = **No** 1 = **Yes** Note: Bit resolution is 12 Bit and the LUX range is 0-2500 Lux
Report time	1s - 255s	30s	Note: Only needed if r**epeat event** is enabled
Dead time	50ms-12750ms	1500ms	Defines the minimum time period between 2 events
Hysteresis	0%-25%	5%	Defines the Hysteresis in % (relative)
Hysteresis minimum	0lux-255lux	40lux	Defines the Hysteresis minimum in Lux (absolute)
Memory bank 2 (Reset value = Default value)			
0x02 Write protection	0xFF, 0x55	0xFF	0xFF = **ENABLED**; 0x55 = **DISABLED** **Note: Write protection must be DISABLED before trying to change one of the following values**
0x03 Sensitivity of motion sensor 1	0x00, 0x01, 0x02, 0x03	0x00	0x00 = **HIGH;** 0x01 = **MEDIUM;** 0x02 = **LOW;** 0x03 = **OFF**
0x04 Sensitivity of motion sensor 2	0x00, 0x01, 0x02, 0x03	0x00	0x00 = **HIGH;** 0x01 = **MEDIUM;** 0x02 = **LOW;** 0x03 = **OFF**
0x05 Sensitivity of motion sensor 3	0x00, 0x01, 0x02, 0x03	0x00	0x00 = **HIGH;** 0x01 = **MEDIUM;** 0x02 = **LOW;** 0x03 = **OFF**
0x06 Sensitivity of motion sensor 4	0x00, 0x01, 0x02, 0x03	0x00	0x00 = **HIGH;** 0x01 = **MEDIUM;** 0x02 = **LOW;** 0x03 = **OFF**
0x07 LED Indication	0x00, 0x01	0x01	0x00 = **OFF;** 0x01 = **ON**
0x08 Weighting of ambience light rating method	0x00, 0x01, 0x02, 0x03, 0x04, 0x05, 0x06, 0x07, 0x08, 0x09, 0x0A	0x00	0x00 = **0%;** 0x01 = **10%;** 0x02 = **20%;** 0x03 = **30%;** 0x04 = **40%;** 0x05 = **50%;** 0x06 = **60%;** 0x07 = **70%;** 0x08 = **80%;** 0x90 = **90%;** 0x0A =**100%** Note: Ambience light rating method is provided by a second light sensor which is located beneath the fresnel lens. So this parameter is only available in BMS products which provide 2 light sensors.