



BM 3230

BM 3230 conveniently lays out 6 parallel truth tables with individual outs for gates and triggers for both FALSE and TRUE results, as well as a trigger for each crossing between the two states. The module works for 1, 2, or 3 inputs, and allows to automate the (de)activation of inputs.

1) Input section 1 to 3

Only cabled inputs are considered for the calculation of truth tables, meaning that they differ for one, two or three inputs. Whenever a signal higher than 0 arrives at an input, its LED shows activity. At the right of each input toggle is a trigger input with which the input toggle can be automatically activated and deactivated. Only inputs with their corresponding input toggle activated are being processed.

2) Boole Matrix Outputs

The Boole Matrix comprises 6 parallel truth tables. The truth tables are AND, OR, and XOR, and their opposites NAND, NOR, and XNOR. For both FALSE and TRUE results a 5V high gate signal and a 5V trigger signal are given out, respectively. X TRIG sends a 5V trigger signal whenever the truth table result changes from FALSE to TRUE or vice versa.

The Boole Matrix outputs can be fed back into the input section above, but this can quickly lead to an unchangeable state of all three inputs being deactivated, hence at least one input should arrive from an external source.

3) LED Dimmer

An auxiliary knob allows to dim the LED brightness of the Boole Matrix output LED rings. The input LEDs are not affected by this.