PDM Configuration & Installation

Basic Functions/Logic Operators

Logical Operators

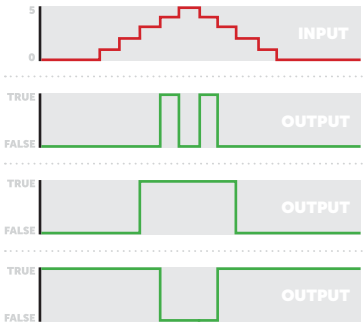
AND
Output is 'TRUE' when all its Inputs are 'TRUE', otherwise the output is 'FALSE'.

OR
Output is 'TRUE' when one or more of its Inputs are 'TRUE'. If all inputs are 'FALSE', Output is also 'FALSE'.

NOT
Output is 'TRUE' if input is 'FALSE', and 'FALSE' if input is 'TRUE'. The NOT function Inverts the Input.

XOR *(Exclusive Or)*
Output is 'TRUE' when only one of its Inputs are 'TRUE', otherwise the output is 'FALSE'.

Conditional Operators

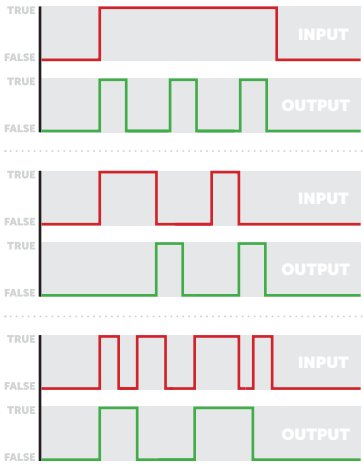


Equal to/Not equal to
E.g. Output 'TRUE' if input is 'EQUAL TO' 4

Greater than/Less than
E.g. Output 'TRUE' if input is 'GREATER THAN' 2

Greater than or equal to/Less than or equal to
E.g. Output 'TRUE' if input is 'LESS THAN OR EQUAL TO' 3

Time & Edge Operators

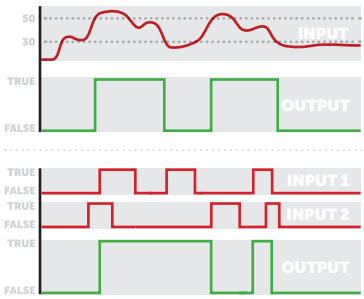


Flash
If input is 'TRUE', cycle output between 'TRUE' and 'FALSE' for set times.
E.g. TRUE Time = 1s / FALSE Time = 2s

Pulse
Output 'TRUE'/'FALSE' state for set time when condition is met.
E.g. Falling Edge Input, Pulse Output 'TRUE' (Width = 1s)

Toggle
Switch between output states when condition is met.
E.g. Rising Edge Input, Toggle State (If 'TRUE' output 'FALSE', if 'FALSE' output 'TRUE')

Special Operators



Hysteresis
Switch Output if Input is above or below high and low set values.
E.g. Output 'TRUE' if input is above 50. Output 'FALSE' if input is below 30.

Set Reset
Output Set by Input 1, Reset by Input 2.
E.g. Output 'TRUE' if Input 1 (Set) is 'TRUE'. Output 'FALSE' if Input 2 (Reset) is 'TRUE'.