

Digital, Miniature Pressure Switch with Display

Operation Modes

There are two main types of output modes for the digital output - hysteresis mode and windowed mode.

Hysteresis mode has two types of actuations, active low and active high, as shown on the left side of the Output Modes figure below.

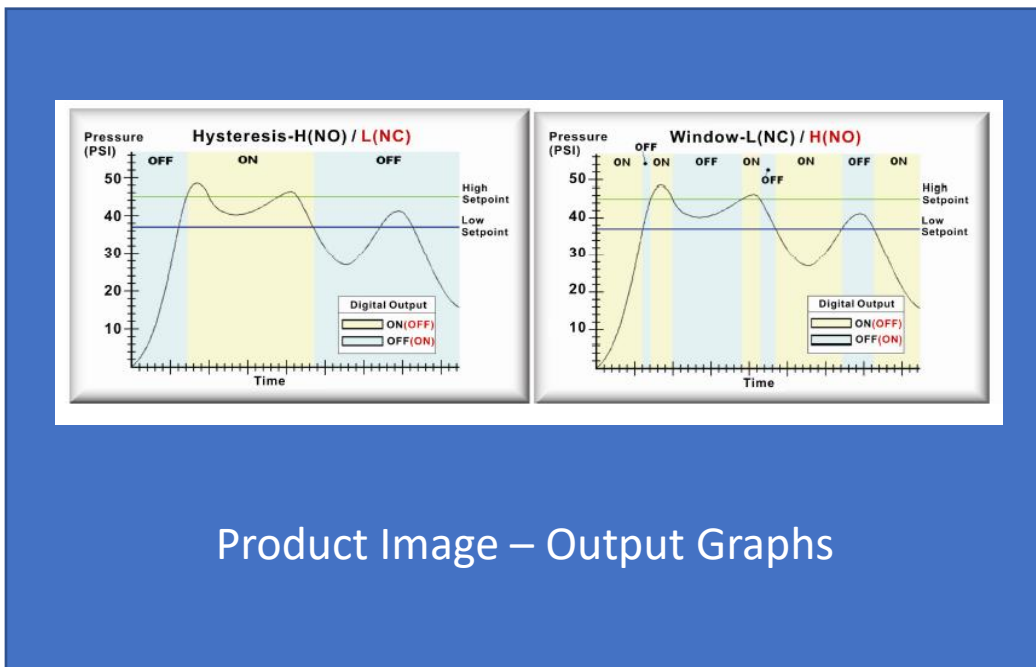
Active Low: Turns the output off when the pressure has reached the high setpoint (green line). The output remains off until the pressure has dropped below the low setpoint (blue line).

Active High: Turns the output on when the pressure has reached the high setpoint. The output remains on until the pressure has dropped below the low setpoint.

Windowed mode also has two types of actuations, active low and active high, as shown on the right side of the Output Modes figure below.

Active Low: Turns the output off when the pressure is between the high setpoint (green line) and the pressure low setpoint (blue line).

Active High: Turns the output on when the pressure is between the high setpoint (green line) and the pressure low setpoint (blue line).



Digital, Miniature Pressure Switch with Display

Accessories

Our product accessories section contains a selection of mounting accessories. Vertical or horizontal brackets are available, made for easy mounting to another surface; the sensor has two threaded mounting holes on the back side that either bracket screws into. Panel mounts are also offered and suitable for a wide range for the panel cutout due to spring loaded clips molded into the housing.

Additional Options

The PSW-1110 is also available with the following options: additional pressure ranges, NPN outputs, alternate pressure port thread types, and with liquid media compatibility. If you would like to learn more about these options or require further customization of this design, contact us using the chat function or by emailing us at pressure@omega.com.

Dimensional Drawing



Product Image - Dimensional