

Advanced Filter Output Control

There is an additional feature added to the window control. If the echo moves or appears outside the current position of the window the normal window control goes through the Hold → Window Open Hold → Window Open until the window arrives and covers the level echo, or alternatively if the echo moves within the window, the window will on each occasion centre itself around this last confirmed echo position and the output will move at the Fill Damp or Empty Damp Rate.

During this process called Recover, the analogue output stays at the same mA value (distance value) until the window covers the echo - then the analogue is updated at the entered Fill Damp/Empty Damp Value.

Window Output Control does not go through the Hold → Open → Hold etc sequence, nor does it centre itself over the last confirmed echo position unless the echo movement is less than the entered Winfwd or Winback values. If the echo movement is greater than these values, The window moves towards this last confirmed echo position. Each pulse at the entered window distance and the confirmed distance display moves at this rate. It is then damped by the Fill Damp or Empty Damp entered numbers.

This will give a smoother response for relatively large echo movements.