

The figure consists of three vertically stacked plots sharing a common x-axis representing time or index from 0 to 8000.

- Top Plot:** Shows the 'Clean' signal as a blue solid line. It is a binary signal with values 0.0, 0.5, and 1.0. It starts at 0.0, jumps to 1.0 at x ≈ 100, drops to 0.0 at x ≈ 1500, jumps to 0.5 at x ≈ 1600, and drops back to 0.0 at x ≈ 4800, remaining at 0.0 until x = 8000.
- Middle Plot:** Shows the 'Noisy' signal as a blue solid line, which is highly fluctuating around zero. Two horizontal red dashed lines represent 'Thresholds' at approximately y = 1.5 and y = -1.5. A legend in the top-left corner identifies the blue line as 'Noisy' and the red lines as 'Thresholds'.
- Bottom Plot:** Shows the 'denoised' signal as a blue solid line. It is a binary signal with values -1, 0, and 1. It follows a sequence of pulses and gaps, corresponding to the clean signal's state, but with some additional transitions. A legend in the top-left corner identifies the blue line as 'denoised'.

