

DIFFERENTIAL SET-UP SHEET

The Differential setup in the QFlo Universal Temperature Controller (UTC) is a vital parameter that defines the tolerance range for maintaining process stability and controlling temperature fluctuations. Once the Centre Line (CL) temperature is configured, the differential establishes the Upper Control Limit (UCL) and Lower Control Limit (LCL), ensuring the system operates within the desired range. Additionally, the differential plays a key role in managing the automatic activation of heating and cooling systems, responding when the temperature deviates beyond these limits. Proper configuration of the differential enhances efficiency, reduces variability, and ensures consistent performance across all applications.

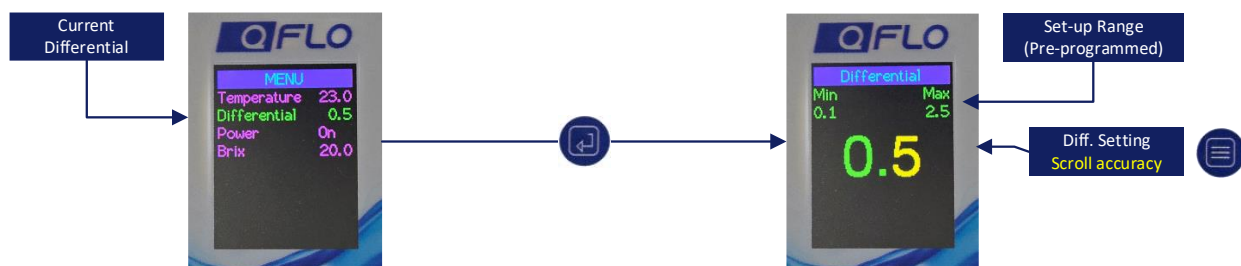


Figure 1: Differential Displays

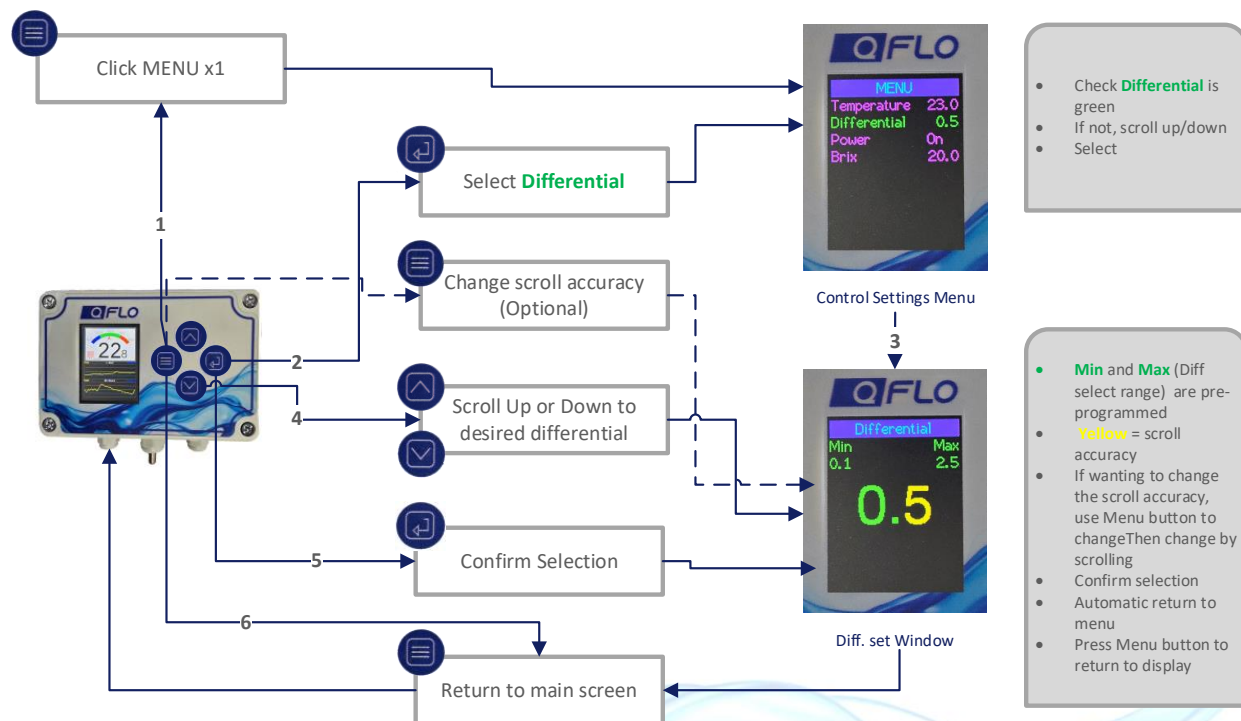


Figure 2: Differential Set-Up Process