Wire Library (display)

Display Library

Thermostat Library

Define where Thermostat lives

Define Thermostat Type

Case 1

 If buttonPin 7 pressed

 SETPOINT ++

 If buttonPin 6 pressed

 SETPOINT --

 If buttonPin 5 pressed

 Case 2

 Exit

Case 2

 If buttonPin 7 pressed

 THRESHOLD ++

 If buttonPin 6 pressed

 THRESHOLD --

 If buttonPin 5 pressed

 Case 3

 Exit

Case 3

 If t > SETPOINT + THRESHOLD

 Pin 2 = HIGH

 If t < SETPOINT - THRESHOLD

 Pin 2 = LOW

 If buttonPin 5 pressed

 Case 1

 Exit