Switching between a Two Local Setpoint with a Digital Input

**Solution:** Specify a UDC 3200 with a Digital Input Option.

The UDC will switch from SP to 2SP with a contact or switch closure.

**Configuration:**
- Setup Control: LSP’S set to TWO
- Setup Option: DIG1 INP or DIG2 INP is set to To 2SP

**Wiring:**

```
DIGITAL SWITCH 1

10

11

12

Connect shield to ground
at one end only.
```

**Operation:**
1. Make sure that the Digital Input Switch is open.
2. Set the desired setpoint for both SP’s using the Lower Display & arrow keys.
3. With the Digital Input Switch closed, 2SP will be displayed on the Lower display.
   - A flashing bar indicator will appear to the left of 2SP.
4. When the Digital Input Switch is re-opened the lower display will switch back to SP.

**Notes:**
1. If the **Setpoint Select is enabled**, then someone can override the Digital Input by pressing the SP Select key. (SP Indicator always stays on to the left of 2SP)
   - A suggested correction is prior to doing step 3 in the operation section, go to Tuning Group and set the Lockout to None. Press the Function key until **SP SEL** appears in the lower display. Set the Upper Display to **DISABLE**. With the Setpoint Select set to disable, the unit cannot be switched to Local SP by the keyboard.

2. A **different set of Tuning constants** can be selected when the 2 Local SP is selected.
   - A suggested correction is prior to doing step 3 in the operation section, then by using the **DIG 1 CMB** or **DIG 2 CMB** set to + **PID 2** then, PID set 2 tuning values will be used when SP2 is selected.