

# UDC 2300 Tac Tip

## Switching between a Remote & Local Setpoint with a Digital Input

**Solution:** Specify an UDC 2300 with a Digital Input Option.

*Model # DC230X-XX-2X-X1-XXXXXXXX-XX-0*

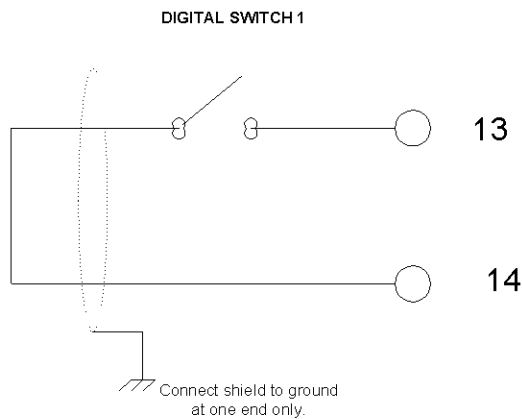
When **DIG IN** is configured for **LSP**, the UDC will switch from Remote SP to a Local SP with a contact or switch closure.

### **Configuration:**

Setup Control: **LSP'S** set to **ONE**  
**RSPSRC** set to **INP2**

Setup Option: **DIG IN** is set to **LSP**

### **Wiring:**



### **Operation:**

1. Make sure that the Digital Input Switch is open and Remote SP is selected. (*R* should be lit.)
2. Set the desired setpoint for Local SP using the Display & arrow keys.
3. With the Digital Input Switch closed, the *R* will go blank and the “L” will blink.
4. When the Digital Input Switch is re-opened the *R* will light, and the Remote SP is the controlling setpoint.

### **Notes:**

1. If the **Func Key is enabled**, then someone can override the Digital Input by pressing this key. (RSP Indicator, “*R*”, always stays on)
  - \* A suggested correction is prior to doing step 3 in the operation section, go to Tuning Group and set the Lock to None. Press the Func key until **SP SL** appears in the lower display. Set the Upper Display to **DIS**. With the Func Key set to disable, the unit can not be switched to Local SP by the keyboard.
2. A **different set of Tuning constants** can be selected when Local SP is selected.
  - \* If Two sets of tuning constants are selected under the Control section, then by using the **DIG COM** to set to **+PD2** then PID set 2 tuning values will be used when SP is selected.
3. If Local to Remote Setpoint operation is needed, then change the “Setup Option: **DIG IN** is set to **RSP**”. With the Digital input switch open, make sure that the Local Setpoint “*L* should be lit”.