









### LTF – Basics

1. A slower speed increases the response time of the sensor but improves the repeatability.
2. From anywhere, press and hold Escape  for 2 seconds to cancel and return to run mode.
3. Locking and Unlocking the Sensor - Press and hold Down  and  Escape simultaneously for 3 seconds. When locked, a lock symbol appears in the top left corner and the menus are available to view settings, but the values cannot be changed. The remote input is also disabled, except for the unlock function.








### LTF – Factory Default Reset

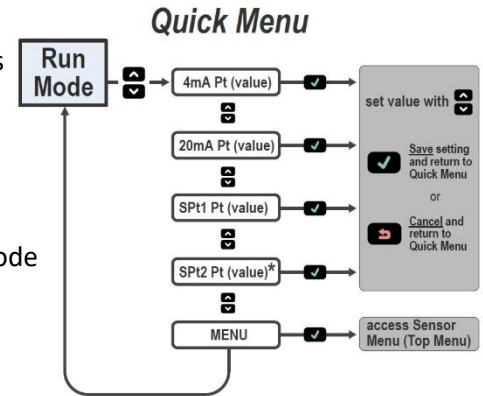
1. Click Enter  to enter the menu
2. Click Up  once. The display will read “RESET”
3. Click Enter  to enter reset menu
4. Click Up  to move to “Yes”
5. Click Enter  to confirm reset and return to run mode



### LTF – Quick Menu








Use the quick menu to quickly change the set points for the analog or discrete values

1. Access by clicking Up or Down  /  from run mode
2. Select the switch point value to change by clicking Enter 
3. Click Up or Down  /  to change the value
4. Click Enter  to move to the next digit
5. On the last digit, the final click of Enter  will confirm and return to run mode















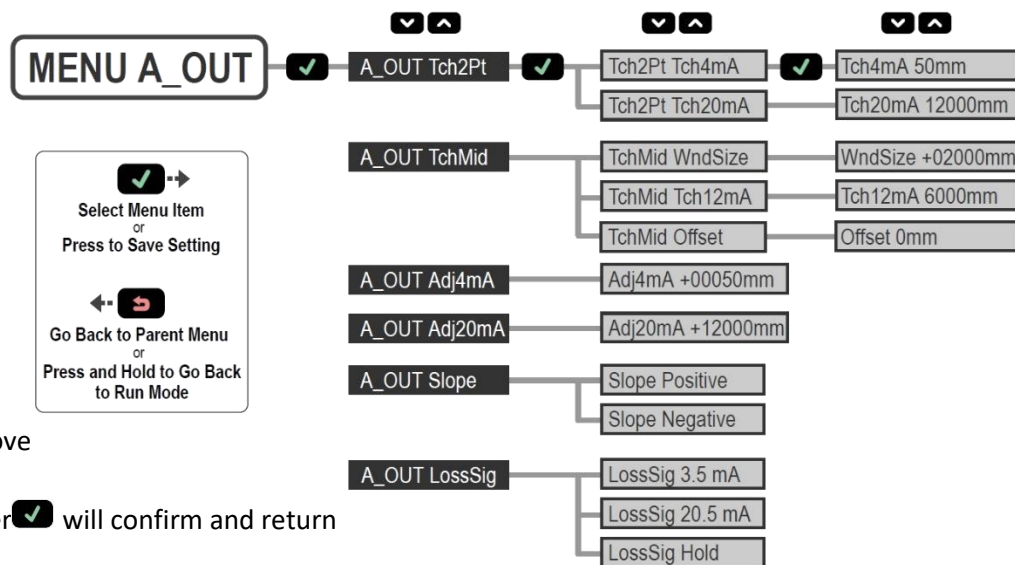
### LTF – Analog Teach

#### Two Point Teach

1. Click Enter  to access the menu. The display will read “A\_OUT”
2. Click Enter  to access Analog Output menu. The display will read “Tch2Pt”
3. Click Enter  to access Two Point Teach settings. The display will read “Tch4mA” (or “Tch0V”)
4. Present the target and press Enter . The display will read “TEACHING”, flash the taught distance, then return to “Tch4mA” (or “Tch0V”).
5. Click Up  to access “Tch20mA” (or “Tch10V”).
6. Present the second target and press Enter . The display will read “TEACHING”, flash the taught distance, then return to “Tch20mA” (or “Tch10V”).
7. Press and hold Escape  for 2 seconds return to run mode

#### Window Teach

1. Click Enter  to access the menu. The display will read “A\_OUT”
2. Click Enter  to access Analog Output menu. The display will read “Tch2Pt”
3. Click Down  to get to “TchMid” then Enter  to access the menu. The display will read “WndSize”
4. Click Enter  to adjust the window size. Click Up or Down  /  to change the value and Enter  to move to the next digit.
5. On the last digit, the final click of Enter  will confirm and return the previous menu.
6. Click Down  to get to “Tch12mA” (or “Tch5V”)
7. Present the target and click Enter . The display will read “TEACHING”, flash the taught distance, then return to “Tch12mA” (or Tch5V”).
8. Press and hold Escape  for 2 seconds return to run mode

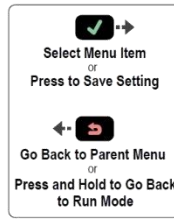


## LTF – Discrete Teach

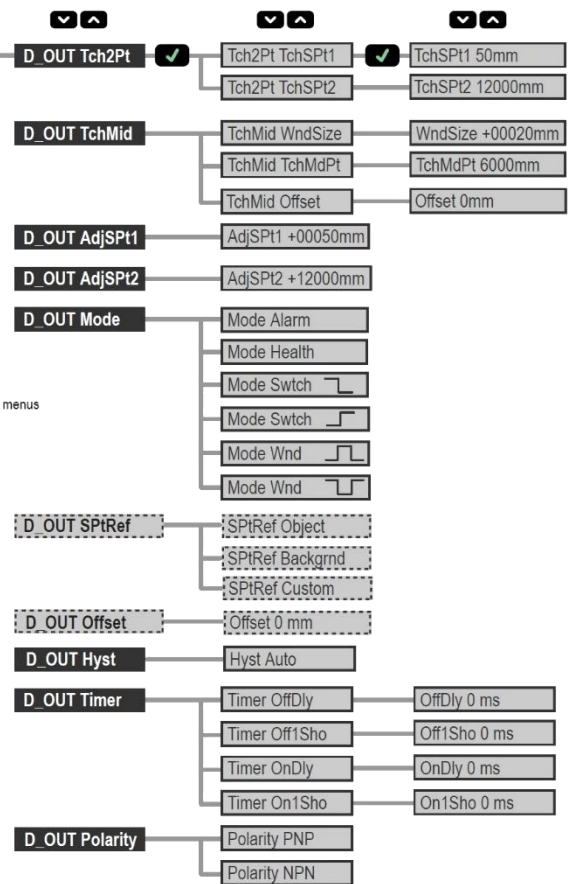
### Two Point Teach

1. Click Enter to access the menu. The display will read "A\_OUT"
2. Click Down to see "D\_OUT" on the display.
3. Click Enter to access Discrete Output menu. The display will read "Tch2Pt"
4. Click Enter to access Two Point Teach settings. The display will read "TchSPT1"
5. Present the target and press Enter . The display will read "TEACHING", flash the taught distance, then return to "TchSPT1"
6. Click Up to access "TchSPT2"
7. Present the second target and press Enter . The display will read "TEACHING", flash the taught distance, then return to "TchSPT2"
8. Press and hold Escape for 2 seconds return to run mode

MENU D\_OUT



The Tch2Pt, TchMid, AdjSPt1, and AdjSPt2 menus are only available in Wnd mode. When in SPt, Alarm, or Health modes, these menus are replaced by TchSPt and AdjSPt.



### Window Teach

1. Click Enter to access the menu. The display will read "A\_OUT"
2. Click Down to see "D\_OUT" on the display.
3. Click Enter to access Discrete Output menu. The display will read "Tch2Pt"
4. Click Down to get to "TchMid" then Enter to access the menu. The display will read "WndSize"
5. Click Enter to adjust the window size. Click Up or Down / to change the value and Enter to move to the next digit.
6. On the last digit, the final click of Enter will confirm and return the previous menu.
7. Click Down to get to "TchMdPt"
8. Present the target and click Enter . The display will read "TEACHING", flash the taught distance, then return to "TchMdPt"
9. Press and hold Escape for 2 seconds return to run mode

## LTF – Mode

- **Alarm** - The Discrete Output is Off while a target is detected by the sensor at any distance. When a loss of signal occurs, the Discrete Output is On. This mode has no associated thresholds
- **Health** - The Discrete Output is On while a target is detected by the sensor at any distance. When a loss of signal occurs, the Discrete Output is Off. This mode has no associated thresholds.
- **Switch Mode** : The Discrete Output is On while a target is detected nearer than the switch point threshold. When a target is detected farther than the switch point threshold or the signal is lost, the Discrete Output is Off.
- **Switch Mode** : The Discrete Output is Off while a target is detected nearer than the switch point threshold. When a target is detected farther than the switch point threshold or the signal is lost, the Discrete Output is On.
- **Window Mode** : The Discrete Output is On while a target is detected between the SPt1 and SPt2 thresholds. (Default) When a target is detected outside the SPt1 and SPt2 thresholds or the signal is lost, the Discrete Output is Off.
- **Window Mode** : The Discrete Output is Off while a target is detected between the SPt1 and SPt2 thresholds. When a target is detected outside the SPt1 and SPt2 thresholds or the signal is lost, the Discrete Output is On.