

more sensors, more solutions

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
- 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 **C** 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

- Click Enter to access the menu. The display will read "A_OUT"
- Click Enter to access Analog Output menu. The display will read "Tch2Pt"
- Click Down ♥ to get to "TchMid" then Enter ♥ to access the menu. The display will read "WndSize"
- 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



Run



Quick Menu





MENU D OUT

Select Menu Item or Press to Save Setting

o Back to Parent Menu

Press and Hold to Go Back to Run Mode

The Tch2Pt, TchMid, AdiSPt1, and AdiSPt2

When in SPt, Alarm, or Health modes, these menus are replaced by TchSPt and AdiSPt.

menus are only available in Wnd mode.

Tch2Pt TchSPt2

TchMid WndSize

TchMid TchMdPt

AdjSPt1 +00050mm

AdjSPt2 +12000mm

TchMid Offset

Mode Alarm

Mode Health

Mode Swtch

SPtRef Backgrnd

Offset 0 mm

Hyst Auto

Timer OffDI

Timer Off1Sho

Timer On1Sho

Timer OnDly

Polarity PNF

Polarity NPN

Tch2Pt TchSPt1 - TchSPt1 50mm

✓ D_OUT Tch2Pt ✓

D_OUT TchMid

D OUT AdiSPt1

D_OUT AdjSPt2

D_OUT Mode

D_OUT SPtRef

D_OUT Offset

D OUT Hyst

D OUT Timer

D_OUT Polarity

TchSPt2 12000m

WndSize +00020n

TchMdPt 6000

Offset 0mm

OffDly 0 m

OnDly 0 m

Off1Sho 0 m

On1Sho 0 m

LTF – Discrete Teach

Two Point Teach

- Click Enter to access the menu. The display will read "A_OUT"
- 2. Click Down 🖤 to see "D_OUT" on the display.
- Click Enter to access Discrete Output menu. The display will read "Tch2Pt"
- Click Enter Store to access Two Point Teach settings. The display will read "TchSPT1"
- Present the target and press Enter . The display will read "TEACHING", flash the taught distance, then return to "TchSPt1"
- Click Up to access "TchSPt2"
- 7. Present the second target and press Enter . The display (in SPt mode only) will read "TEACHING", flash the taught distance, then return to "TchSPt2" (in SPtRef Custom mode only)
- 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 Down 💌 to see "D_OUT" on the display.
- 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.