

Step 1: Wire Switches/Sensors

Arrival Sensor uses DI 1 connections.

- 3 Wire uses *DO 1 Signal* for power Line Pressure
 - Switch uses DI 2 connections.
 - Sensor uses Al 1 connections.

Casing Pressure

- Switch uses DI 3 connections.
- Sensor uses Al 2 connections.

Flow Differential Pressure

- Switch uses DI 4 connections.
- Sensor uses Al 2 connections.

Step 2: Connect Battery/Solar Panel

Insert the 4 position battery plug Insert the 4 position solar panel plug

Step 3: Set up Security

Press ♥ until you see **Setup**. Press ▶ Log in using the Installer ID that was given to ETC.

- The default is 000-0000 if you did not provide one.

Press select or by to enter edit mode.

Use △or ♥ to adjust the Operator ID.

Use \triangleleft and \triangleright to move between digits.

Press > until you go past the end of the field to complete the entry.

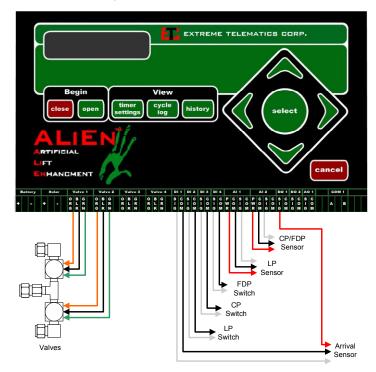
Press ♥until you see *Security*.

Press ≥ and then >.

Configure the Operator and Installer IDs.



The battery must be plugged in before the solar panel.



Step 4: Set Date/Time

Press cancel

Scroll down to Date/Time.

Press D

Adjust the Date.

Adjust the Time.

Set Daylight savings time on or off.

Step 5: Enable Optimization (Optional)

Press

Scroll down to Optimize

Press D

Select the optimization type.

If using Timer Optimization, set the Mode. Mode A is the least aggressive.

Step 6: Set up Inputs

Press

Scroll down to Inputs.

Press >

Press △ or ♥ until you see the input you want to configure

Press elect or b to enter edit mode and to add/change inputs

- Arrival Sensor (enabled/disabled)
- Line Pressure (disabled/switch/sensor)

The following input devices are available if Pressure Based Optimization is used:

- Casing Pressure (disabled/switch/sensor)
- Flow DP (disabled/switch/sensor)
- Flow (disabled/sensor/switch/virtual)

If an input is configured to be a sensor, you will also have to set the max value for that sensor (eg. Line Pressure sensor is defaulted to be max 500 psi)

Step 7: Configure Pressure Optimization (Optional)

Ensure that the desired input devices are enabled in Inputs above.

Press (cancel)

Scroll down to *Optimize* and enter the desired set points and stable times.

Step 8: Set up Alarms

Press

Scroll down to Alarms

Press >

Configure counts (non-arrival and fast trip).

You can also set how the controller will fail when there is a low battery, too many non-arrivals, or too many fast trips

Step 9: Configure Timers

Press timer settings

Configure each timer value.