

ETC ALIEN QUICK INSTALL GUIDE

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 *AI 1* connections.
- Casing Pressure
- Switch uses *DI 3* connections.
 - Sensor uses *AI 2* connections.
- Flow Differential Pressure
- Switch uses *DI 4* connections.
 - Sensor uses *AI 2* connections.

Step 2: Connect Battery/Solar Panel

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

! The battery must be plugged in before the solar panel.

Step 3: Set up Security

Press ∇ until you see **Setup**. Press \triangleright
Log in using the Installer ID that was given to ETC.

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

Press \odot or \triangleright to enter edit mode.
Use \wedge or \vee to adjust the Operator ID.
Use \triangleleft and \triangleright to move between digits.
Press \triangleright until you go past the end of the field to complete the entry.
Press ∇ until you see **Security**.
Press \triangleright and then ∇ .
Configure the Operator and Installer IDs.

Step 4: Set Date/Time

Press cancel
Scroll down to **Date/Time**.
Press \triangleright
Adjust the Date.
Adjust the Time.
Set Daylight savings time on or off.

Step 5: Enable Optimization (Optional)

Press cancel
Scroll down to **Optimize**
Press \triangleright
Select the optimization type.
If using Timer Optimization, set the Mode. Mode A is the least aggressive.

Step 6: Set up Inputs

Press cancel
Scroll down to **Inputs**.
Press \triangleright
Press \wedge or \vee until you see the input you want to configure
Press \odot or \triangleright 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 cancel
Scroll down to **Alarms**
Press \triangleright
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.

