

Quick Start Guide

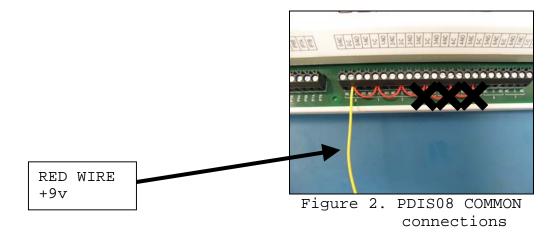
Installing an OLC (LE FBP) Signal Tower on a LaserLinc System

Installing a 3-color Signal Tower with alarm, on a LaserLinc System is accomplished easily by following these steps.

> Color code: gray - unused - tape-off black - Ground to PDIS08 ground connection orange - yellow light green - green light Red - red light blue - audible alarm

Step 2: OLC supplied Signal Towers are 9-12 VDC devices. The supplied pig-tail power adapter will provide this power from the USB-DIO I/O rear panel auxiliary connection.

On the USB-DIO I/O (PDIS08) terminal strip, connect COMMON terminals "C" on outputs 0-2 to the pig-tail RED wire using 18-22AWG hookup wire - daisy-chain as shown below (Figure 2).



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Step 3: Make the following connections from the LE FRB:
Signal Tower's BLACK wire to Power Adapter PIG TAIL BLACK (Ground).
Signal Tower's GREEN wire to PDIS08 terminal 0-NO(normally open).
Signal Tower's ORANGE wire to PDIS08 terminal 1-NO.
Signal Tower's RED & BLUE wire to PDIS08 terminal 2-NO.
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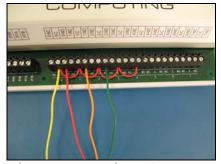


Figure 3. Signal Tower RYG Light Connections

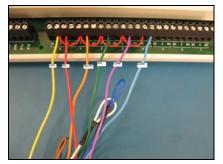


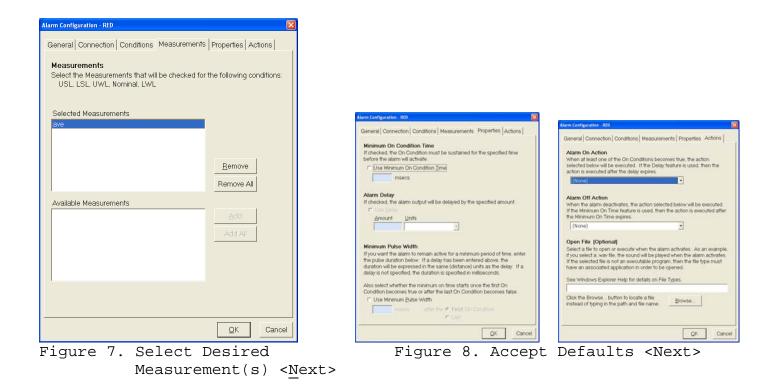
Figure 4. w/ Optional Signal Tower Alarm Connections

- Step 4: Connect pig-tail power connector to USB DIO rear panel.
- Step 5: Start Total Vu. In Configure>Full Configuration>Alarms ICON. Select Add Alarm to launch the alarm wizard. Configure outputs 0,1 & 2 for GREEN, YELLOW & RED lights respectively. Follow wizard screens; Figures 5 - 9 below.

| Add Alarm Connection No output - Alarm On and/or Alarm Off actions only | Alarm Configuration - RED General Connection | Conditions Measurements Properties Actions | 3 | |
|--|--|---|-------|--|
| Select the I/O Device and Output to use for the alarm. Once you select a device, the available outputs for the device will appear in the Outputs list. Digital I/O Device USB-PDISO8-1 | Conditions Select the conditions i "Operator Clear" chec off the alarm. Note the | | | |
| Device Qutput | On Conditions Measurement Specification USL USL UVVL LVVL LVL LVL LVL LVL LSL LVL Measurement Status Lump Neckdown | Off Conditions Operator Clear F ns Measurement Specifications URL UVL SUVL SUVL SUVL SUL Measurement Status Find of Flaw Avis Blocked | | |
| Logic Mode Select whether the output should be On or Off when any of the alarm conditions are true. Output On when Conditions True Output Off when Conditions True | Axis Blocked Missing Too Many OLD Scamer Status No Scan Beam Blocked No Part | Missing Too Many OLD Scaner Statur No Scan Beam Blocked No Part Low Power ✓ | | |
| Figure 5. Select Device Output 0 | Figure 6 | QKCancel5. Select GREEN's Conditions | ON/OF | |



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| Add Atom 8 Alarm Name Enter the name for the new alarm. It must begin with a letter or a digit. [] or 1 are illegal. The name may be up to 30 characters in length and t must be unque. It cannot mark any of the names listed below. | 🔍 Alarms | | |
|---|----------------------|---------------------------------|----------|
| RED | File View | | |
| Existing Alarms (shown for convenience) | | 🄃 🚯 | ^ |
| | Add Alarm | RED YELLOW Pi Open | ≡ |
| | 4 : | Delete Rename | |
| | GREEN | Disable | <u> </u> |
| « Back Einish Cancel | 1 object(s) selected | Disable | |
| Figure 9. Enter "GREEN <finish></finish> | " then | Turn on Alt+0 Turn off Alt+1 | |

Figure 10.





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