



Connecting
Smart Vision Lights
to
In-Sight Micro

COGNEX

Overview

The Smart Vision Light connects to 24VDC power supply and then requires a trigger signal. The Smart Vision Light will illuminate for the duration of the strobe/trigger pulse. By using the high speed output HS-OUT1 this can easily be accomplished. Please note however you CAN run the light in continuous mode if strobing is not wanted on S30, S75, R80, R130, SOBL and L300 series of lights.

The OverDrive™ series of lights are strobe only. The OverDrive™ series of lights can NOT be run in constant “on” mode. OverDrive series begin with OD in part numbers. OverDrive lights include ODS30, ODS75, ODR80, ODR130 and ODL300.

Simply connect the Smart Vision Light to 24VDC and then connect the trigger signal to the In-Sight Micro HS-OUT1 using the attached connection diagrams. Set High Speed Output # 1 to Strobe and the Smart Vision Light will illuminate for the duration of the exposure of the image acquisition.

Note: Ground on Micro (Gray wire) and Ground on Smart Vision Light (Blue wire) must share a common ground.

Connections

LIGHT CONNECTIONS

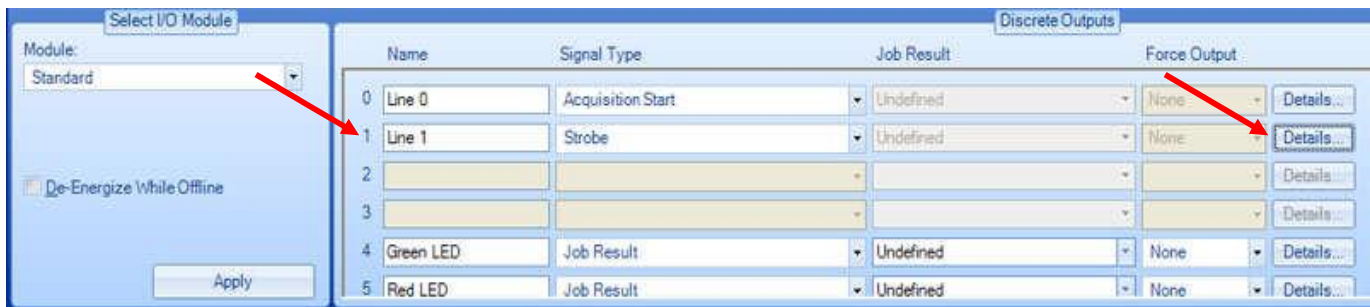
- Connect +24VDC to Smart Vision Light +24VDC (Brown Wire)
- Connect 0VDC to Smart Vision Light Common (Blue Wire)
- Connect HS OUT1 to Smart Vision Light NPN strobe trigger (WHITE Wire)
- Connect +24VDC to Gray Wire. Gray Wire = Analog Intensity Control (Green Wire on some cables)

CIO-MICRO CONNECTIONS

- Connect HSOUT1 to Smart Vision Light NPN strobe trigger (WHITE Wire)

SOFTWARE CONFIGURATION

- Set HSOUT1 to Strobe
- Set HSOUT1 Details to FALLING EDGE



I/O Connections

