

SurfaceFX Sample External light BuiltInIO 7000G2



Sample that works with the 7000G2 series and uses the 4 built in outputs. Any single light with quadrant control or multiple lights can be used.

Setup:

- Hook up the light HSOUT 0,1,2, and 3.
 - Make note which direction the light is coming in from each Discrete Output connection
- Load job
- Set the bidirectional IO to Outputs. This becomes HSOUT 2 and 3.
- Set each Discrete output to Pulse and 10ms

Test setup:

- Set the EditInt in cell E10 to 2000
 - This job does not need the SLEEP function in cell A10, but it is useful for setup.
 - This can be deleted after test up is complete.
- Go online and trigger the system.
 - Observe that each light is turned on and note which Discrete Output turns on each light direction.
- Once you verified what each discrete output matches each quadrant, correct the image references in SurfaceFX as necessary.
- Set the EditInt in cell E5 to 5 (minimum value accepted), or delete the Sleep in E10.
- Save the job for your setup.

Deployment:

- Enable all cells based on Cell A31.
- Use the SurfaceFX image in cell A30, or any of the other images captured to complete your application setup.

For example:

IS7802 using built-in IO to trigger a CCS quadrant controlled ring light

Requires breakout cable (Gardasoft PP716 adapter) or bare wires.

Using the Gardasoft PP716 adapter cable, connect the following wires to the Discrete outputs on the 7802:

- Grey is Discrete Output 3
- Black is Discrete Output 2
- Blue is Discrete Output 1
- White is Discrete Output 0
- Brown is power and connected to +24V.
- Output Common is connected to Ground.