K30 Pro Optical Sensor Demo Kit

Demo Kit (DK-K30-PROOPTICAL DEMO CARD)

Models	Part Number	Description
DK-K30-PROOPTICAL DEMO CARD*	232656	K30 Pro “Out of Box” Demo Modes
K30PAF100AMGRY4Q	814206	K30 Pro Optical Sensor with Pro Editor: RGB Adjustable-Field Sensor

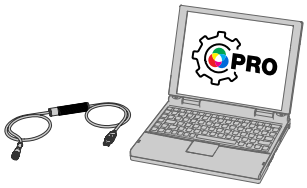
* Demo this device with DBRQ Rechargeable Demo Box (p/n 808023) for full capability, or use with PSW-24-1 (p/n 803521) to show simple detection.
These devices are not included in the demo kit.

DBRQ
(not included)

PSW-24-1
(not included)

Features and Benefits

- Sensing and indication in one device
- Discrete output models featuring Pro Editor compatibility improve speed in deployment and machine interface
- Teachable modes with color feedback for ease of use
- Touchless activation removes the need for physical force to activate, improving speed and hygiene
- Up to 7 colors in one device (14 colors when using Pro Editor)
- Configure the sensor using software or remote input wires to sense objects from 20 to 1000 mm



Use Banner's Pro Editor software and Pro Converter Cable to create custom configurations by selecting different colors, flash patterns, and animations.

For more information visit *www.bannerengineering.com/proeditor*

K30 Pro Demo Sequence

Connect the K30 Pro to the actuator pigtail on a DBRQ Rechargeable Power Supply.

Use switches to initiate demo sequences
(See tables on next page)

Alternative Option: Connect the PSW-24-1 power supply to the K30 Pro with the QD cordset.

Four State Logic Demo

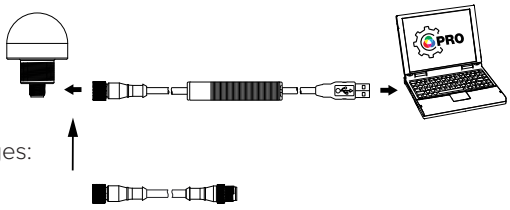
1. Put your hand in front of the sensor to show detection, the K30 will show red (This is like a mispick in pick-to-light).
2. Turn on switch 1 on DBRQ to show green color (This is like a job light input in pick-to-light).
3. Put your hand in front of the sensor, the K30 will show yellow (this is like an acknowledge in pick-to-light).

Background Teach Mode Demo

1. Push switch 2 on DBRQ four times.
2. Put “target” in front of K30 within 1 m range and device will show magenta/green.
3. Push switch 2 to complete the teach.
4. Move the K30 closer to the target and the output indicator will show red that output is on. Now move K30 farther away from the target (past distance) and note output indicator will turn off.

*Note: green = good target, yellow = marginal target, red = bad target

Pro Editor Demo



1. Connect K30 to Pro Converter Cable.
2. Connect to Pro Editor Software.
3. Click on Distance Tile, then in the ‘In Range’ state make the following changes:
    - Set Background Color to green
    - Set Fill Color to blue
    - Change visual range low to 100
    - Change visual range high to 400
    - Go to the Out of Range state and set color one to red
4. Click on Write and you are ready to demo.
5. Put your hand approximately 100 mm in front of K30 and slowly move away from the device. It will display green rotating around blue until it reaches 400 mm distance and will then be solid green.

*Note: When the target is outside of the 100 to 400 mm field, the K30 will be red (bad target).

Reset Using the Banner Pro Editor Software

1. Go to Applications, then Factory Reset. The sensor indicators flash once, the sensor is reset to the factory default settings, and a confirmation message displays.