



## PHOTO ELECTRIC SAFETY SENSORS

## INFORMATION SHEET

### OVERVIEW

Photo electric safety sensors (photo eyes) stop the door from closing if there is anything blocking the door's opening. This helps prevent injury to people and damage to your equipment if the door is accidentally closed while something is in the doorway. We include a set of photo eyes with every door, which allows for convenient, push-and-walk-away door operation much like a residential garage door.

For commercial and public buildings, we recommend using a series of photo eyes to create a photo curtain. This offers added safety in high traffic areas.



### TECHNICAL SPECS

**Standard Number of Sensors:** Two

**Manufacturer:** Banner Engineering

**Sensor Model:** Q40SP

### FREQUENTLY ASKED QUESTIONS

#### How many photo eyes come with a standard door?

Diamond Doors includes one set of photo eyes with every door; a receiver and a transmitter.

#### How many photo eyes should I add to create a photo curtain?

This will vary depending on the size of the door. However, most doors require an additional four to eight sensors to create a full photo curtain.

#### Does the wiring come with the photo eyes?

Yes, we include the sensor wiring that runs from the photo eyes to the Genesys electrical box with your door purchase. Because this wiring must be attached to your building, it will need to be installed after the door is delivered.

#### What do I do when a photo eye breaks and the door is stuck open?

Diamond doors are equipped with a safety sensor override. If a photo eye breaks and your door is stuck open, quickly press the down button on your Up/Down/Stop controller five times. On the fifth time, continue to hold the button until the door is completely closed. *Please note that this procedure requires precision – if you are experiencing difficulties, please contact our service team for assistance.*

#### How do I know if my photo eyes are aligned?

Both sensors have a green LED light showing power to the sensor. One sensor is receiving and one is transmitting. The receiving sensor will also have an orange light that will be illuminated when the sensors are aligned.

