

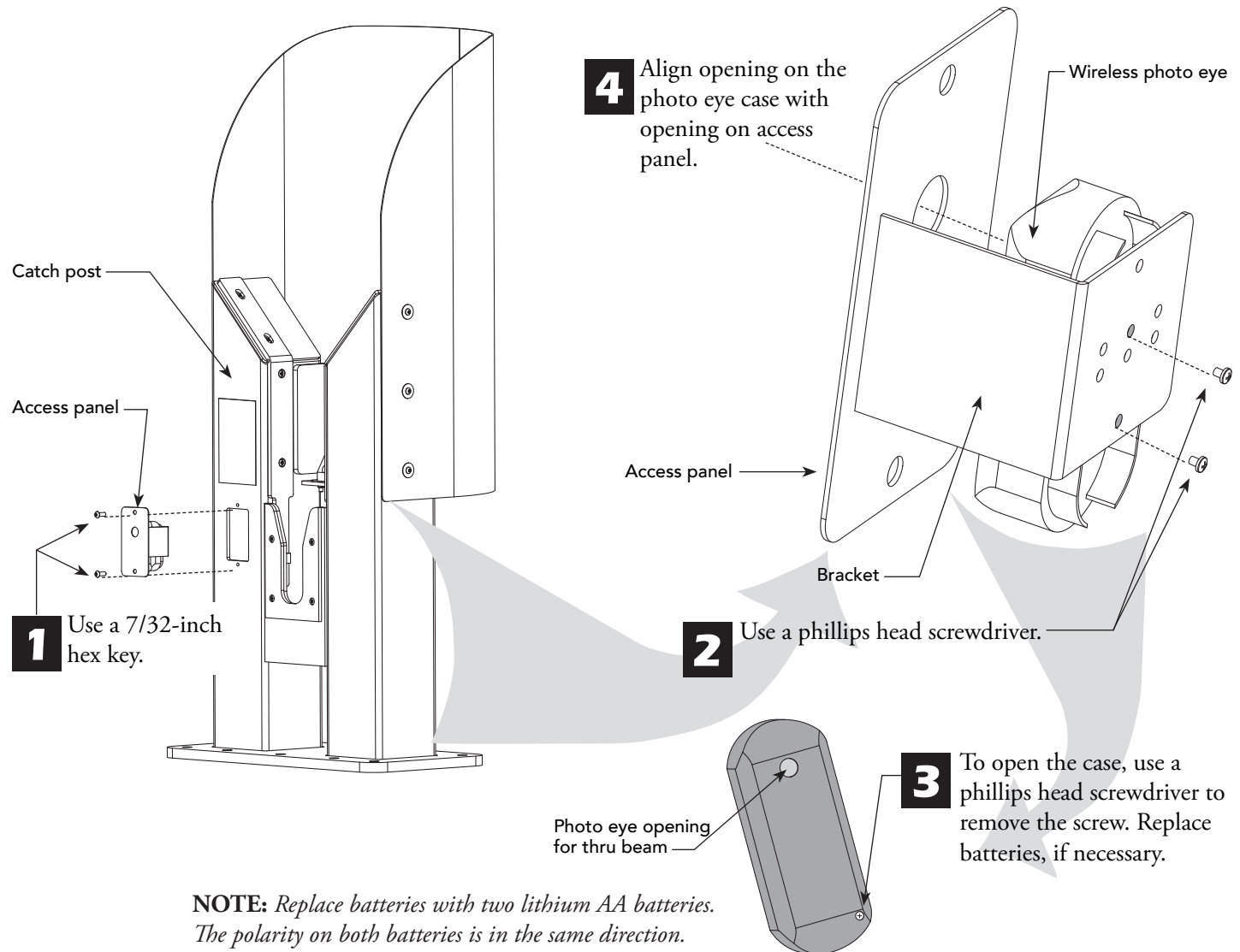
## StrongArm CRASH Integrated Wireless Photo Eye

The wireless photo eye bracket and access panel is attached to the catch post with two hex head screws. When installing the wireless photo eye or replacing its batteries, follow the steps shown in the illustrations.

### Photo Eye Alignment

Most photo eyes require careful optical alignment in order to aim the emitter beam to the center of the receiver. In order to avoid false triggering, it is important to carefully align the system.

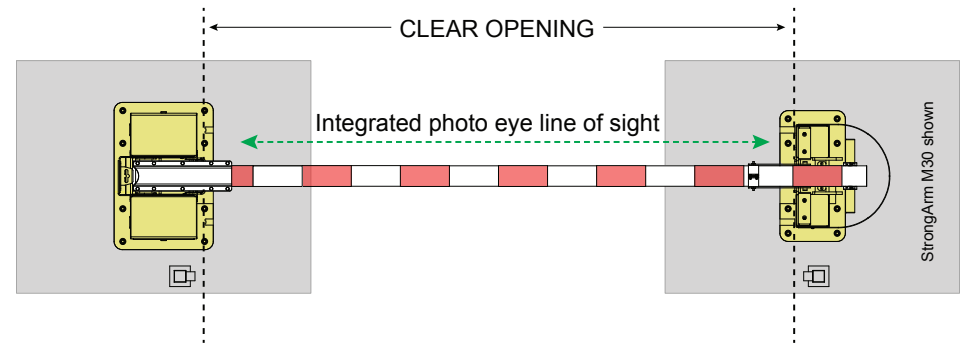
HySecurity provides a unique feature that turns power on to the photo eyes and causes a buzzer to chirp when the photo eye enters and exits alignment. Align the photo eyes using this feature by following the steps, on the next page:



**NOTE:** Replace batteries with two lithium AA batteries. The polarity on both batteries is in the same direction.

## Photo Eye Alignment, continued

1. Move the barrier arm off (away from) the close limit.
2. Access the User menu by pressing the Menu/Program button twice. Press Next until menu item Photo Eye, (PE) appears.
3. Press Select and, using the Next button, change the display to PE 1.
4. Press Select again, and then Menu/Program.
5. Align the photo eyes. Note that the buzzer will **chirp twice** when the beam is in alignment (not broken). However, the buzzer **chirps once** when the photo beam is not aligned. When the buzzer chirps twice, you're done! (The parameter automatically resets the PE setting to zero the next time the barrier arm closes.)



## SUPERVISED CONNECTION

The photo eye integrated into the pivot and catch posts has a true NC output (one that is NC when the photo eye is powered, aligned and set for Light Operate). It is a “monitored connection.” A monitored connection tests for the presence and correct operation of the photo eye prior to each gate activation and prevents gate operation if any fault is present.

## PHOTO EYE FUNCTION

If the gate is stationary, a tripped photo eye will prevent the gate from starting in either direction. If tripped while closing, the standard function is to pause the gate motion and then automatically restart again if the photo eye is clear within five seconds. An optional setting in the Installer Menu will cause a 2 second reversal of travel while closing.

If the photo eye is tripped while opening, the arm continues to travel open without interruption. For more information, refer to EC and EO shown in the Installer Menu Table in the *M30/M50 Programming and Operations* manual.

