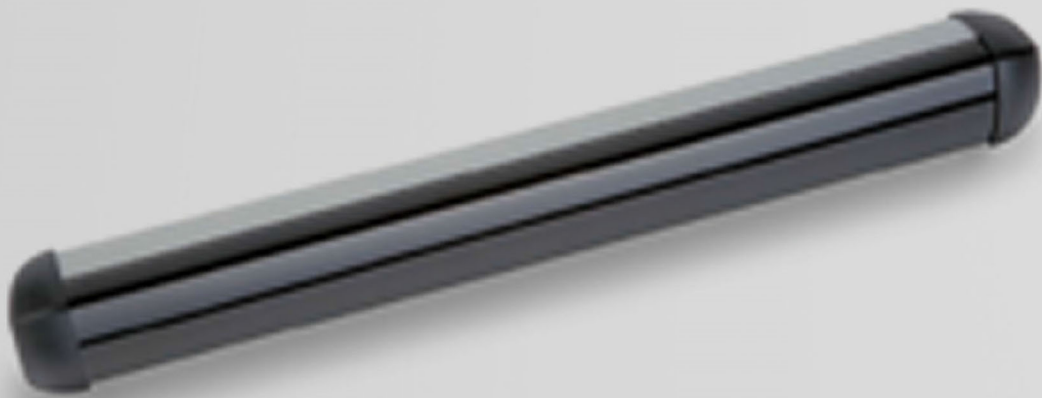




USER GUIDE

THE TORPEDO - ONE



PRESENCE SENSOR

TORPEDO - ONE

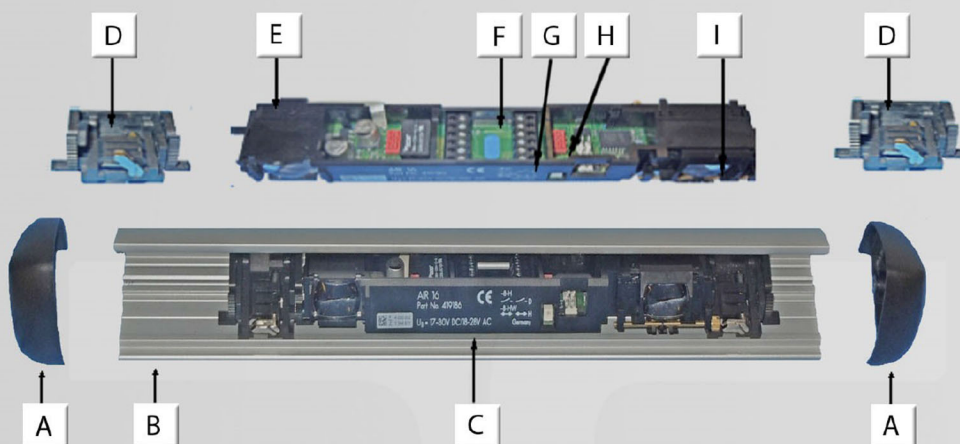
CONTACTLESS EXPERIENCE

TECHNICAL SUPPORT: 412-823-2537



USER GUIDE THE TORPEDO - ONE

Parts List



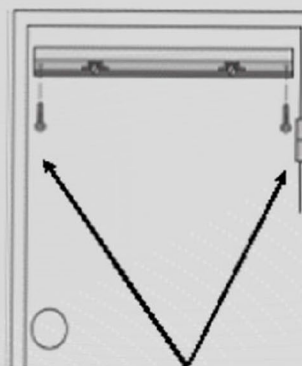
A. End caps and screw(x2)
B. Aluminum rail
C. Sensor unit

D. Pivot block mounting brackets
E. Left/right pattern selector
F. Wiring terminal block

G. Detection indication (LED red)
H. Dip switches
I. Height/distance adjustment set screw

Mounting Housing

1. Center aluminum rail with end caps between door jambs or hinge. Place about 1" (25mm) from the top of the door or arm fixture/slide rail *(if applicable)*.
2. Attach the aluminum rail to door panel with self-drilling screws *(included)*.
3. Route cable through cable exit in the end cap, and lead to door operator.
4. Lead cable to door operator *(e.g. though supplied cable loop)*.



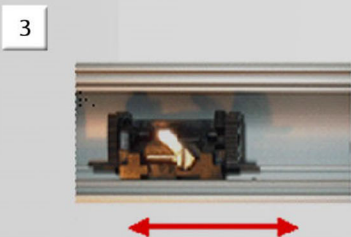
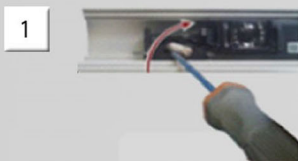
#8-18 x 5/8" Self drilling screws (x2)



USER GUIDE THE TORPEDO - ONE

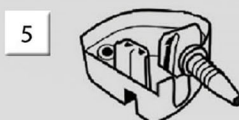
Assembly Chart

1. Using a screwdriver, turn metal levers on both pivot blocks upward to unlock.
2. Lift black levers on side of pivot block to remove or fix sensor.
3. Slide pivot blocks to required position and lock with sensor.
4. Turn metal levels down to lock pivot blocks and sensor into position.



Routing Cable

1. Lead cable from wire terminal behind sensor and pivot blocks.
2. Push a large Phillips screwdriver into tension relief and push cable sheathing onto tension relief.
3. Insert the tubular rivet into tension relief and push cable through tension relief and cable
4. Use pliers to break out perforated area of the cable exits on end cap.
5. Insert prepared cable and tension relief into end cap cut-out.
6. Position end cap and transition cables to sensor bar.
7. Place end cap on sensor bar and screw in place.



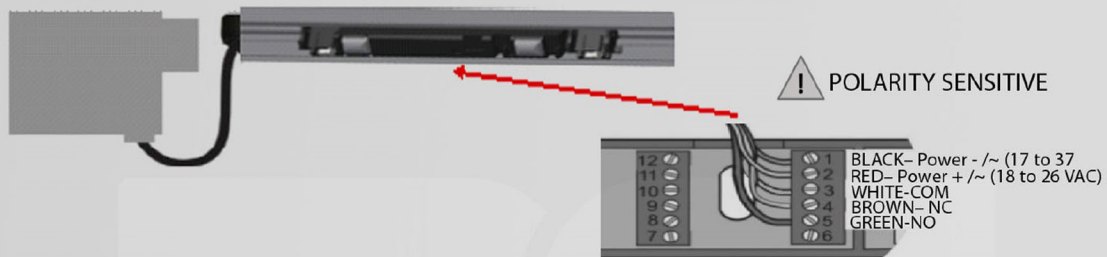


USER GUIDE THE TORPEDO - ONE

Wire the Sensor

The Torpedo provides a dry relay output and can be connected directly to the activation circuit of the automatic door control.

Attach pre-wired terminal block to terminal receptor pins on the sensor unit.

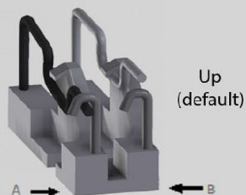


Dip Switch Functions

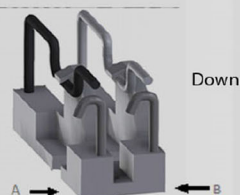
Power the sensor after installation is complete. The LED illuminates when the sensor detects a presence.

OPERATION SELECTION
UP=OFF | DOWN=ON

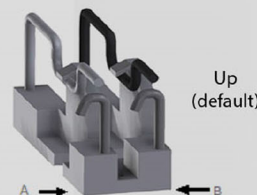
A= Detection Mode
B= Relay Mode



Moving mode (background suppression). No background necessary, floor is ignored.



Stationary mode (background analysis). A stable background is essential, the background is analyzed



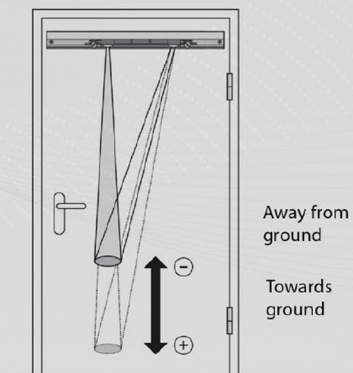
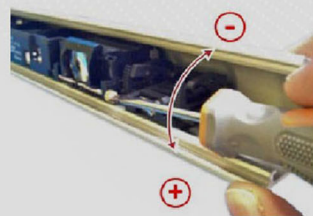
Relay N.O (closes at detection).



Relay N.C. (opens at detection).

Scanning Range Adjustment

1. First, check trigger point with a white letter size sheet of paper. Then use a screwdriver to adjust scanning range on set screw.
2. Adjust the detection area by sliding the sensor in the rail. Ensure pivot blocks are sufficiently loosened to move over aluminum.



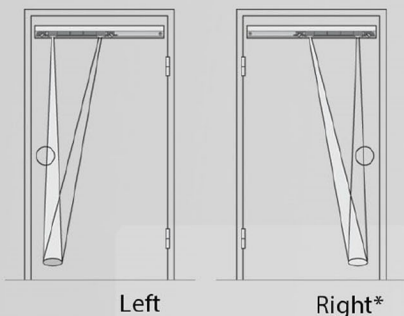
! Recommended trigger point should never be greater than 7.8" above the floor surface.



USER GUIDE THE TORPEDO - ONE

Selecting the Detection Area

Depending on the door opening, a right or left sensing location must be selected. The selector can be found on the backside of the optics.



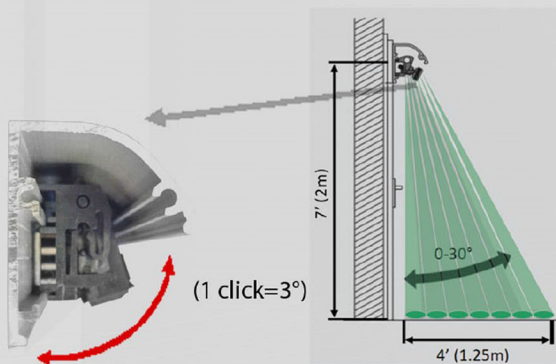
To change the detection area, slide the plastic selector to position L or R*.

Position of the detection area
L=Left R=Right*

*Factory Setting

Tilt Angle Adjustment

1. Using both hands, grasp both sides of sensor and carefully tilt up or down to change the inclination angle.
The angle 0° to 30° can be read on the sides of the mounting brackets.
2. Ensure sensor is level by setting the same angle on both brackets.



Closing Housing

1. Click plastic front cover to aluminum housing.
2. Attach end caps using screws provided.
3. Remove blue plastic protective film from lens.
4. Ensure it is secure along the entire length of rail.





USER GUIDE THE TORPEDO - ONE

Installation Precautions

Tucker Auto-Mation, LLC (hereafter referred to as "Tucker") recommends that all of its automated pedestrian door products be installed by a trained automatic door technician and that the resulting performance of the product be in full compliance with the most current version of the American National Standards Institute document A156.10 or A156.19 (whichever is applicable) as well as any applicable building codes and/or fire codes. Tucker further recommends that a full inspection of the operating system be performed in accordance with the guidelines of the American Association of Automatic Door manufacturers (AAADM). This inspection must be performed by a certified AAADM trained inspector. Tucker recommends this documented inspection be performed upon completion of the installation as well as, following the completion of every service call thereafter. If service is not performed within one year of the previous service action, a routine AAADM inspection should be performed and documented. Under no circumstance should the product operate for more than one year without an AAADM inspection. Tucker does NOT recommend installation or service, on any of their automated pedestrian door products, by any individual who is not certified as an AAADM inspector.

Following the installation or service of any Tucker automated pedestrian door product, if it is deemed unsafe, or is operating in an unsatisfactory manner according to national performance standards or recommended performance guidelines as defined by Tucker, repairs should be made immediately. If an immediate repair cannot be made, the product should be disabled, and appropriate measures should be taken to secure the door in a safe position or to enable the door to safely be used manually. During this situation, every effort should be made to notify the owner (or person responsible) of the condition and to advise on corrective actions that must be taken to return the product to safe operation.



TUCKER AUTO - MATION COMPANY CONTACT

- Tucker Auto-Mation, 1081 3rd Street, North Versailles, PA (USA) 15137
- Tel. 1-855-8 TUCKER (1-855-888-2537)
- www.tuckerauto-mation.com

ENTRA-MATIC COMPANY CONTACT

- Entra-Matic Inc., 810 Bombardier, Mascouche, Québec (Canada) J7K 1X9
- Tel. (Appel Gratuit): 1-800-567-9970
- www.entra-matic.ca