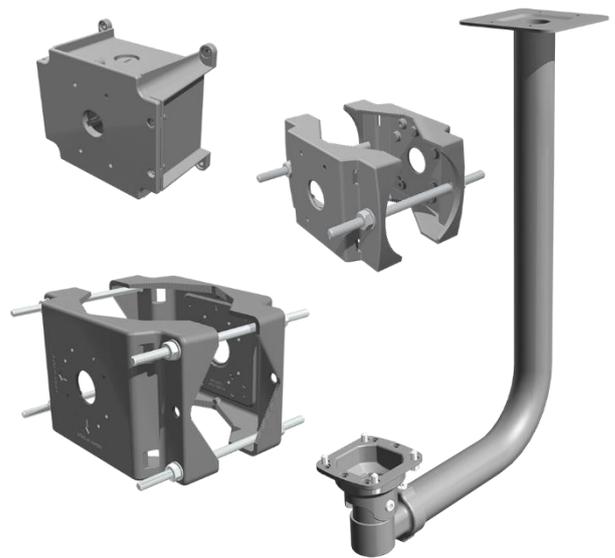




INSTALLATION

EH20 Series Mounts



**Installation Manual
C3491M 8/17**

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Important Notices

For more information about Pelco's product-specific important notices and thereto related information, refer to www.pelco.com/legal.

Warranty Statement

For information about Pelco's product warranty and thereto related information, refer to www.pelco.com/warranty.

Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Clean only with dry cloth.
6. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
7. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
8. Only use attachments/accessories specified by the manufacturer.
9. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
10. Installation should be done only by qualified personnel and conform to all local codes.
11. Unless the unit is specifically marked as a NEMA Type 3, 3R, 3S, 4, 4X, 6, or 6P enclosure, it is designed for indoor use only and it must not be installed where exposed to rain and moisture.
12. Use only installation methods and materials capable of supporting four times the maximum specified load.
13. Use stainless steel hardware to fasten the mount to outdoor surfaces.
14. An all-pole main switch with a contact separation of at least 3 mm in each pole shall be incorporated in the electrical installation of the building.
15. A readily accessible disconnect device shall be incorporated in the building installation wiring.

CAUTION: These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

Only use replacement parts recommended by Pelco.

After replacement/repair of this unit's electrical components, conduct a resistance measurement between the line and exposed parts to verify the exposed parts have not been connected to the line circuitry.

The product and/or manual may bear the following marks:

 This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit.

 This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.

Mount Models

EP20	Large pole mount bracket for EM20 wall mount (for poles up to 8-inch diameter)
EC20	Ceiling mount bracket
EP21	Small pole mount for EM20 wall mount (for poles up to 4-inch diameter)

Accessories

EM20JB	Wall mount junction box for EM20 wall mount
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EP20 Pole Mount Bracket Installation

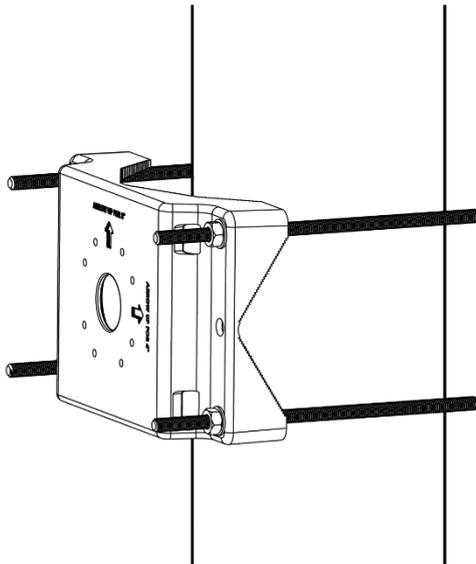
Supplied Parts List

Qty	Description
4	3/8-inch threaded rods
8	3/8-inch flat washers
8	3/8-inch hex nuts
8	1/4-inch socket head cap screws
8	1/4-inch flat washers
2	Die cast mounting flanges

User-Supplied Parts List

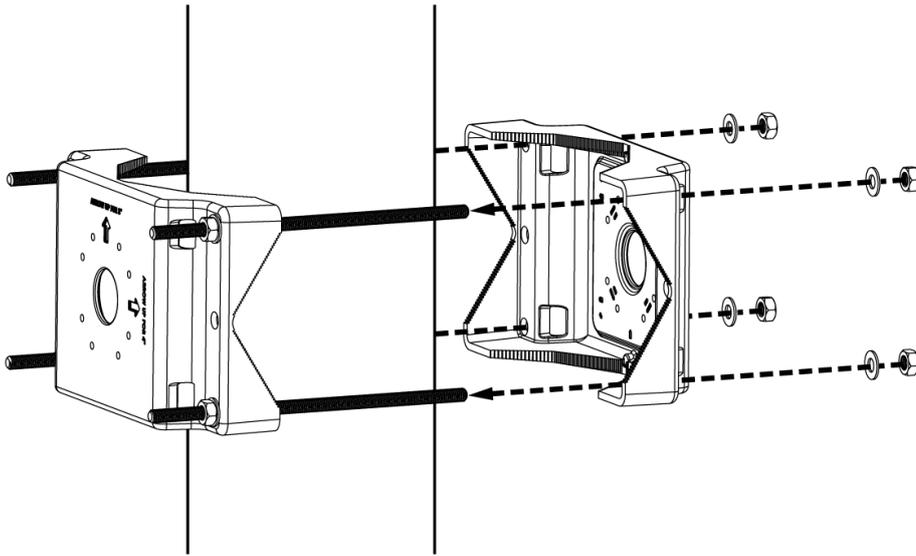
In addition, you will need to provide the following items:

- 1 5mm hex key or socket
1. Install (1) 3/8" flat washer and (1) 3/8" hex nut onto one end of each 3/8" x 9.75" threaded rod. Place the other end of each threaded rod through the upper and lower holes on the left and right sides of one die cast mounting flange.
2. Place the die cast mounting flange, with the threaded rods and fasteners installed, on one side of the mounting pole.



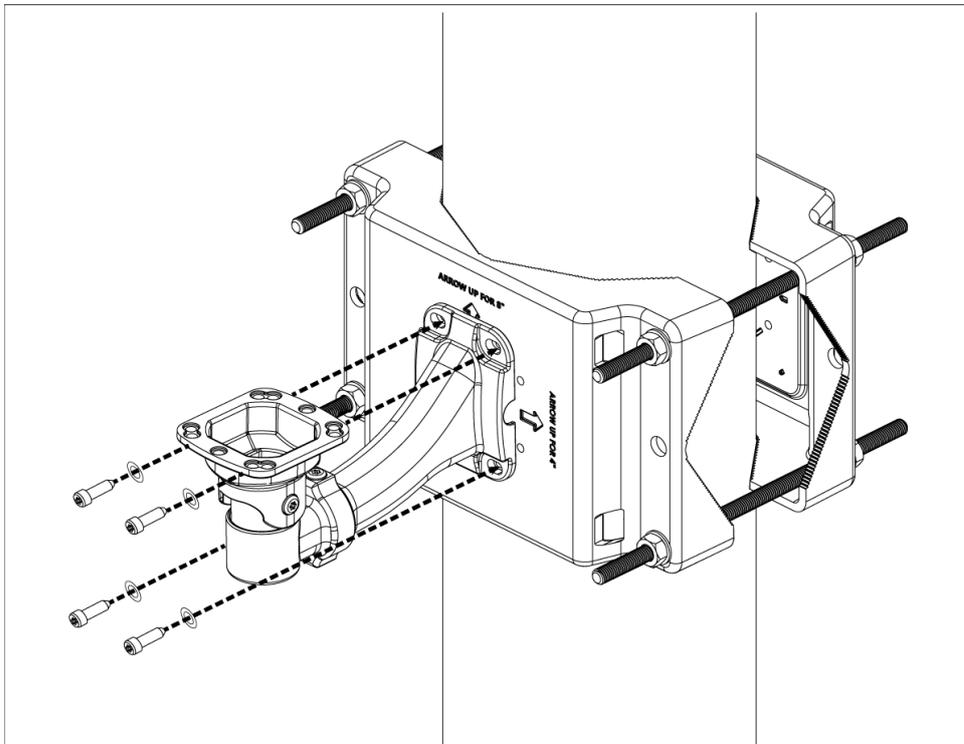
3. Take the second die cast mounting flange and feed each of the four threaded rods through the upper and lower holes on the left and right sides while moving it towards the opposite side of the mounting pole as the first die cast mounting flange.

4. Install (1) 3/8" flat washer and (1) 3/8" hex nut onto the end of each threaded rod.



5. Position the mount assembly at the desired height on the mounting pole and tighten all 8 hex nuts until the mount assembly is firmly attached to the pole.

6. Using (4) 1/4" socket head cap screws and (4) 1/4" flat washers, attach the EM20 wall mount to the surface of the die cast mounting flange, and tighten the screws.



7. Refer to the installation manual included with the EH20 enclosure for final assembly and wiring instructions.

EP21 Small Pole Mount Installation

Supplied Parts List

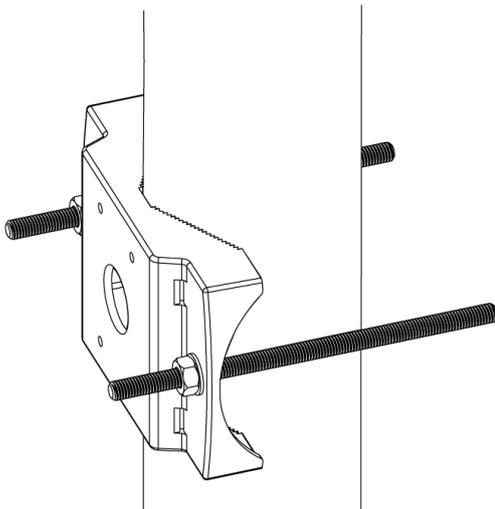
Qty	Description
2	3/8-inch threaded rods
4	3/8-inch flat washers
4	3/8-inch hex nuts
8	1/4-inch socket head cap screws
8	1/4-inch flat washers
2	Die cast mounting flanges

User-Supplied Parts List

In addition, you will need to provide the following items:

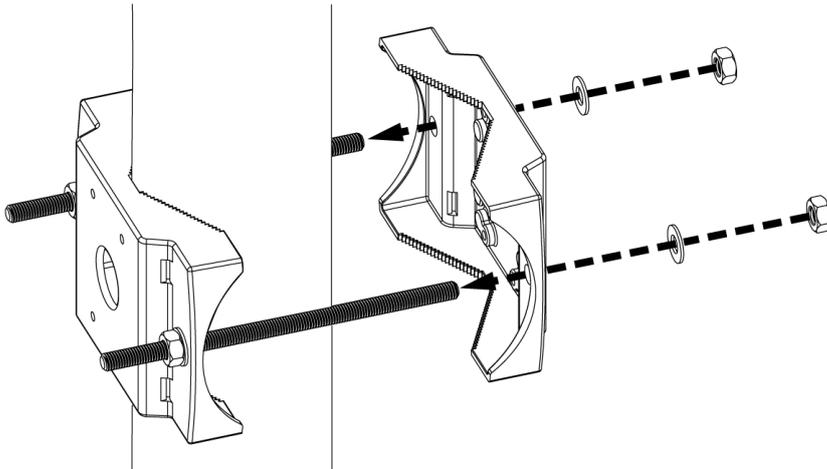
- 1 5mm hex key or socket

1. Install (1) 3/8" flat washer and (1) 3/8" hex nut onto one end of each 3/8" x 7.87" threaded rod. Place the other end of each threaded rod through the holes on the left and right sides of one die cast mounting flange.
2. Place the die cast mounting flange, with the threaded rods and fasteners installed, on one side of the mounting pole.

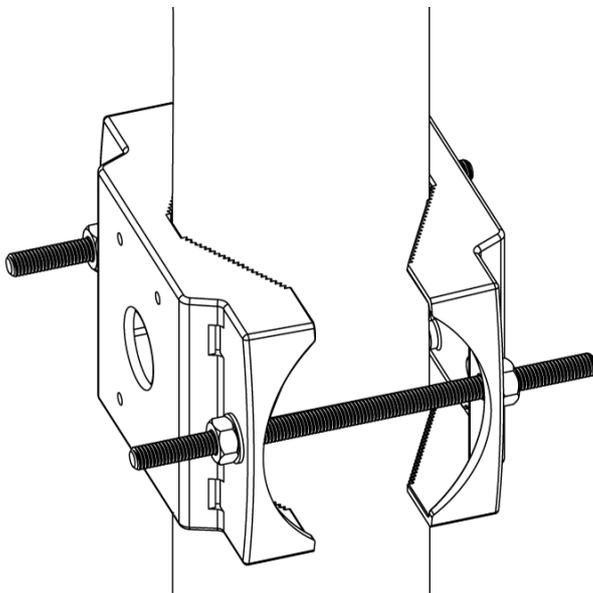


3. Take the second die cast mounting flange and feed each of the threaded rods through the holes on the left and right sides while moving it towards the opposite side of the mounting pole as the first die cast mounting flange.

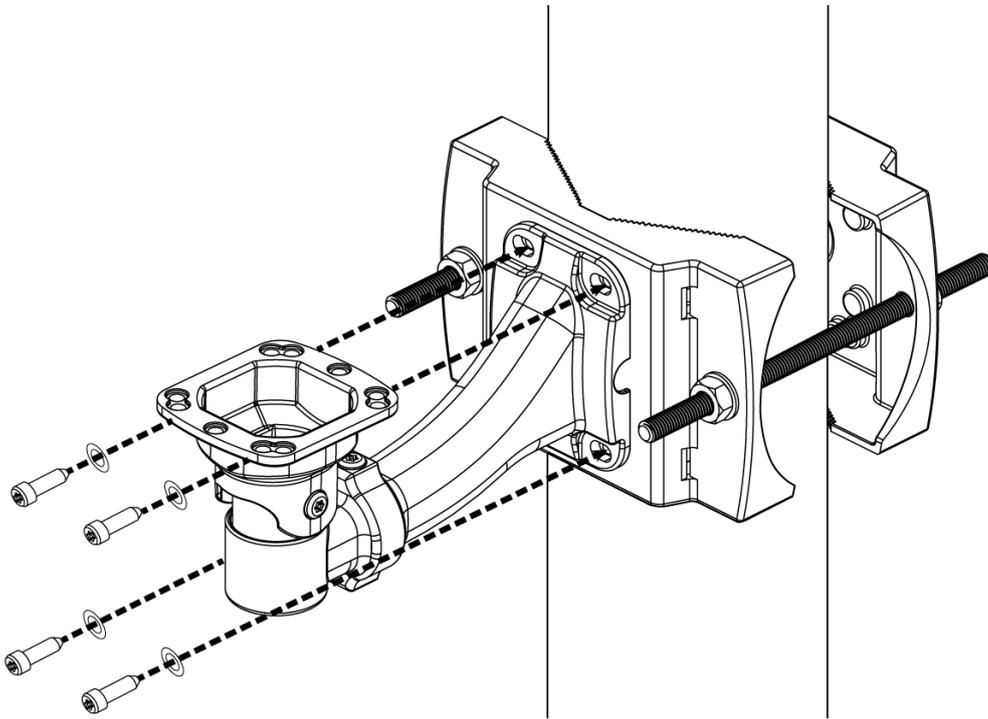
4. Install (1) 3/8" flat washer and (1) 3/8" hex nut onto the end of each threaded rod.



5. Position the mount assembly at the desired height on the mounting pole and tighten all 4 hex nuts until the mount assembly is firmly attached to the pole.



- Using (4) ¼" socket head cap screws and (4) ¼" flat washers, attach the EM20 wall mount to the surface of the die cast mounting flange, and tighten the screws.



- Refer to the installation manual included with the EH20 enclosure for final assembly and wiring instructions.

EM20JB Wall Mount Junction Box Installation

Supplied Parts List

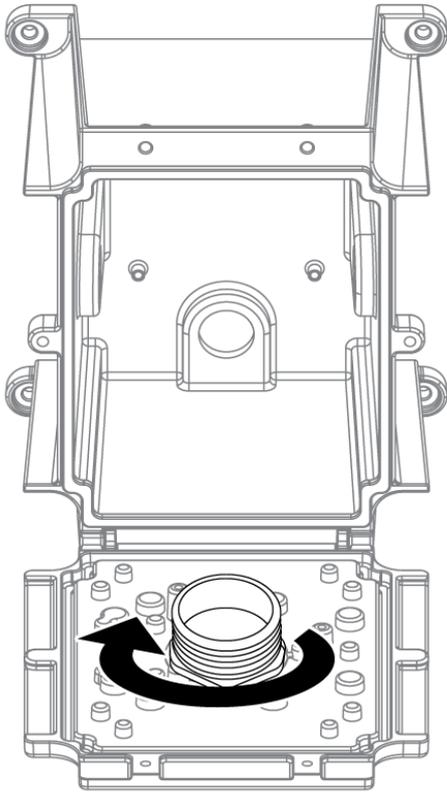
Qty	Description
1	M32 x 1.5 sealed gland fitting with rubber insert for 7 mm wire
1	Rubber insert for 3 mm wire
1	Rubber insert for 10 mm wire
4	¼-inch socket head cap screws
4	¼-inch flat washers
1	Die cast junction box

User-Supplied Parts List

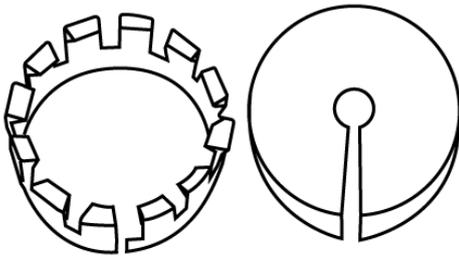
In addition, you will need to provide the following items:

- | | |
|---|-----------------------|
| 1 | 5mm hex key or socket |
|---|-----------------------|
1. Install the die cast junction box to a wall or other suitable mounting surface using 4 fasteners (not supplied) that are appropriate type for the material that the junction box is being attached to.
 2. Loosen the two screws on the front plate to open it.

3. Screw the M32 gland fitting into the large hole on the front plate and remove the outer threaded nut to remove the sealing rubber insert.

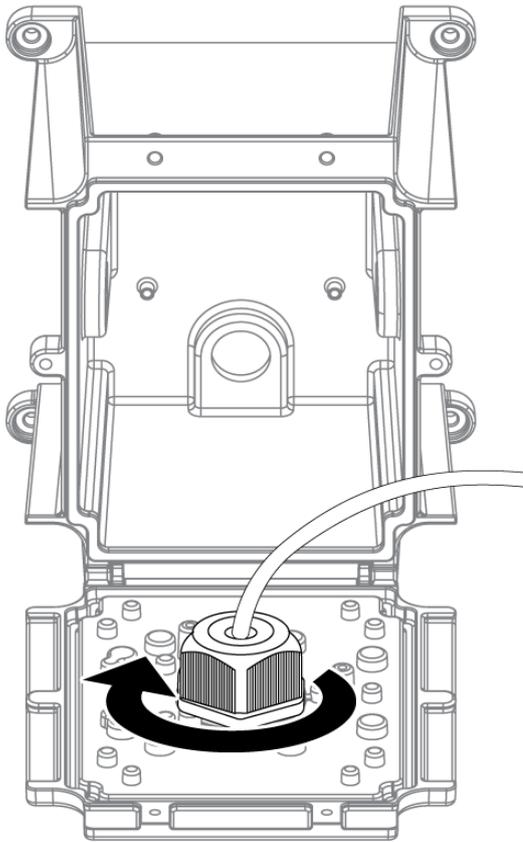


4. Pull camera cable through the center of the M32 gland fitting.
5. Remove the rubber insert from the crenulated plastic collar.



6. Select the rubber insert with the center hole closest in size to the cable supplied with the camera. Open the split on the rubber insert and place it around the camera cable, placing the end of the insert with the largest diameter step closest to the M32 gland fitting. Then slide the crenulated plastic ring over the rubber bung and push up the cable into the M32 gland fitting.

7. Insert the camera cable through the outer threaded nut and tighten the nut against the M32 gland fitting. Make sure the sealing rubber insert is tight against the camera cable and that you cannot move the camera cable back and forth inside of the M32 gland fitting.



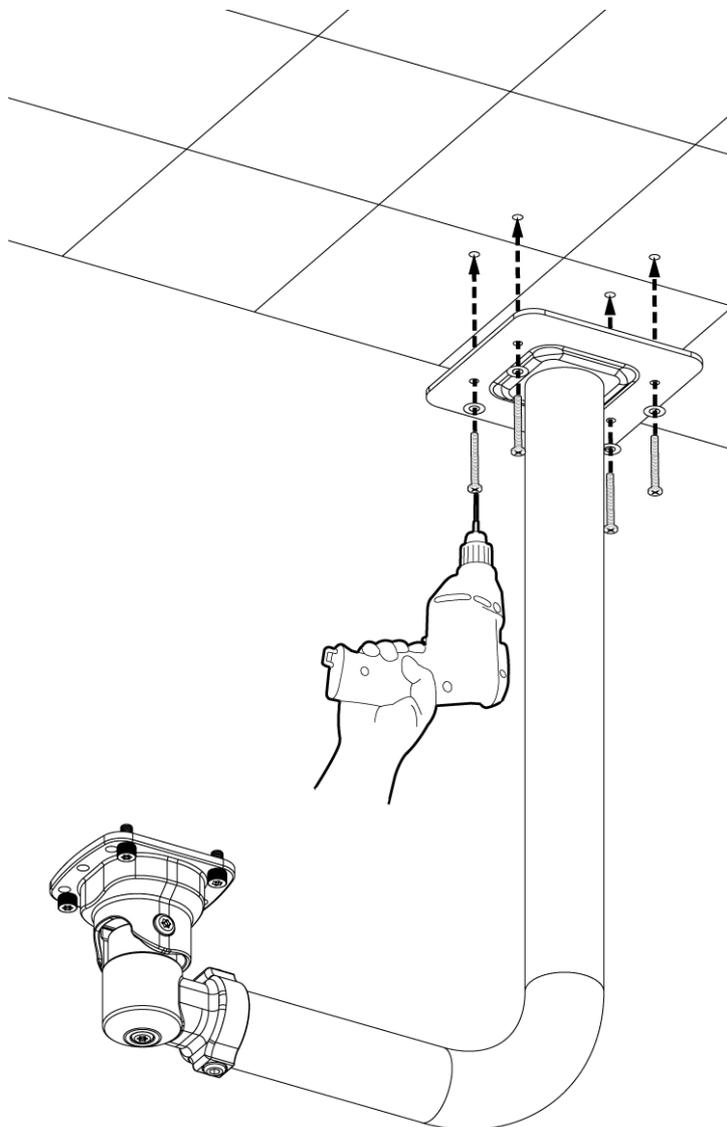
8. Feed the camera cable through the center of the EM20 wall mount. Using (4) $\frac{1}{4}$ " socket head cap screws and (4) $\frac{1}{4}$ " flat washers, attach the EM20 wall mount to the front plate of the junction box, and tighten the screws.
9. Refer to the installation manual included with the EH20 enclosure for final assembly and wiring instructions.

EC20 Ceiling Mount Bracket Installation

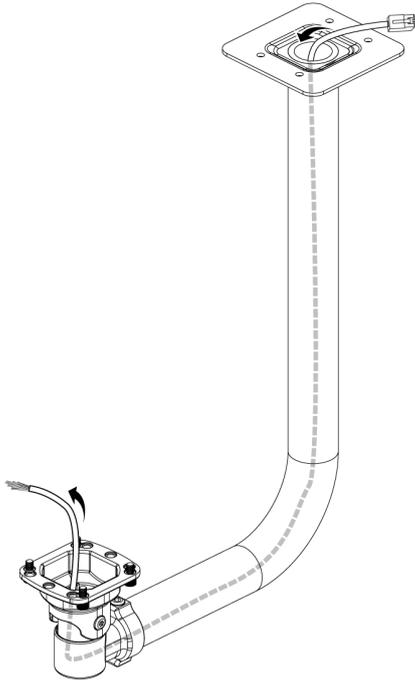
Supplied Parts List

Qty	Description
1	Ceiling mount
4	¼-inch tamperproof Torx head screws
1	T30 Torx wrench

1. Install the EC20 ceiling mount to a suitable surface. Drill mounting holes and a cable routing hole (if preferred) on the mounting surface. Install the mount using 4 screws (not supplied) of appropriate type and length for the surface being mounted to.

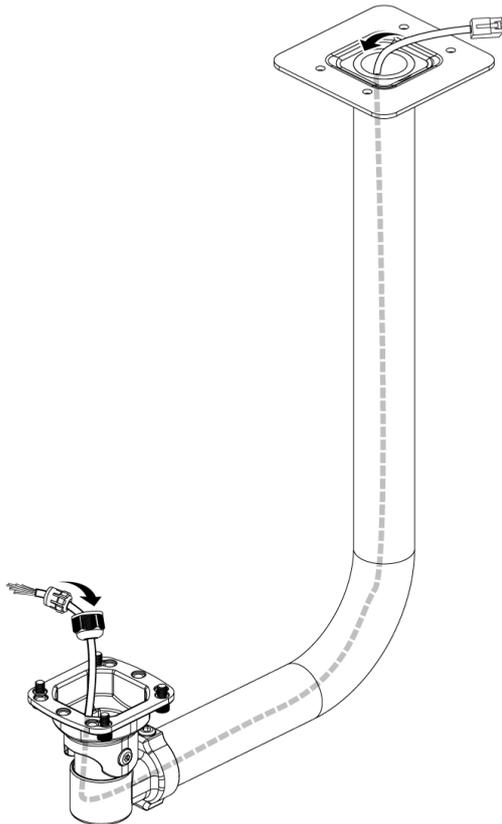


2. Pass the Ethernet cable and wires down through the ceiling mount and pull them up through the mounting flange.

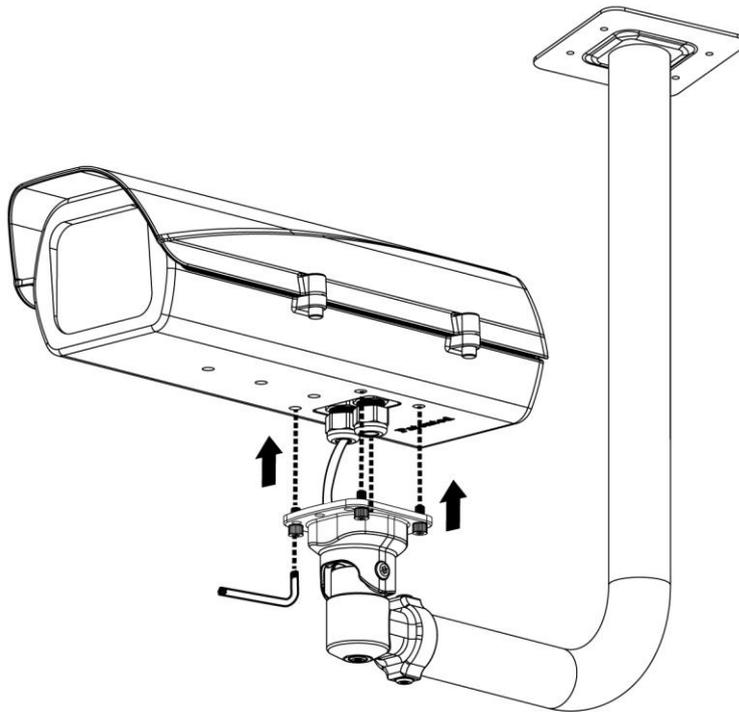


3. Lift the whole enclosure up to the installation position and make Ethernet cable and wire connections with wires coming from the enclosure. Due to the weight of the enclosure, it is best to have two people mounting the enclosure.

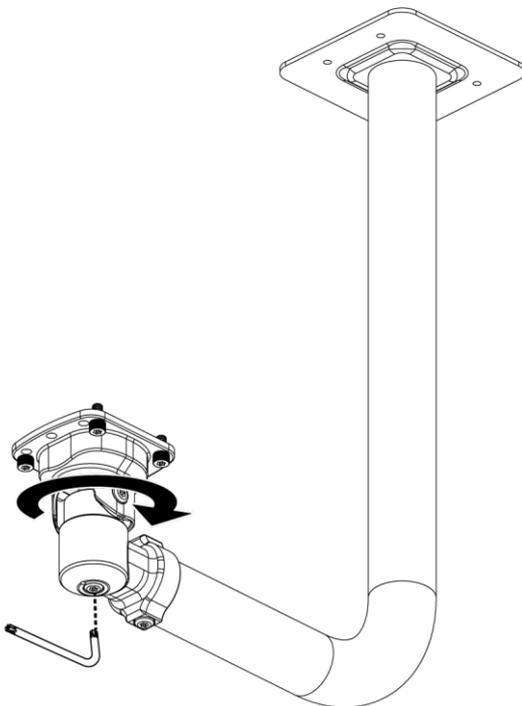
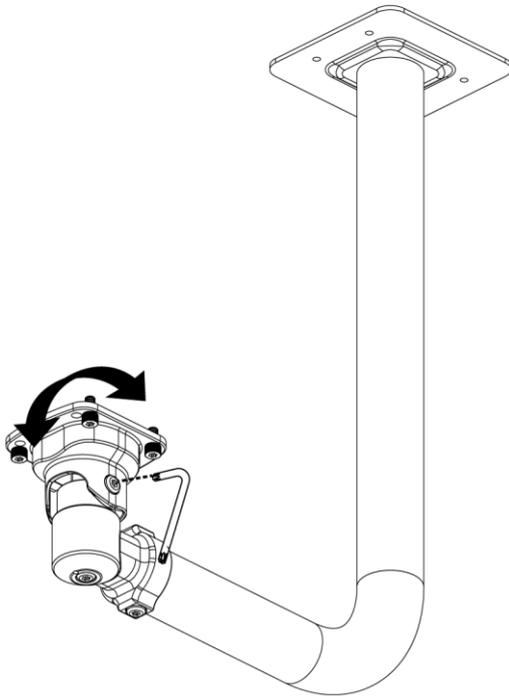
NOTE: The cables needs to pass through the enclosure's gland fitting nut as shown in the illustration below.



4. Mount the enclosure onto the installed ceiling mount bracket, and secure the connection by tightening the four tamperproof screws using the supplied T30 Torx wrench. Due to the weight of the enclosure, it is best to have two people mounting the enclosure.



5. To adjust the position of the enclosure, use the supplied T30 Torx wrench to loosen the three pan and tilt adjustment screws. Position the enclosure as needed and retighten the three adjustment screws.



Pelco Troubleshooting Contact Information

If the instructions provided fail to solve your problem, contact Pelco Product Support at 1-800-289-9100 (USA and Canada) or +1-559-292-1981 (international) for assistance. Be sure to have the serial number and model number available when calling.

Do not try to repair the unit yourself. Leave maintenance and repairs to qualified technical personnel only.



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