

SUPER 30 AUTO EJECT INSTALLATION GUIDE & MANUAL



INTRODUCTION

The Super 30 Auto Eject is a completely sealed automatic power line disconnect. This prevents contamination of the mechanism by road dirt and ensures long reliable life even when mounted in the most severe environment. A novel plug detector closes and opens the A.C. circuit after the mating connector is inserted and before the connector is ejected. This eliminates arcing at the connector contacts and assures long contact life. As with all Auto Ejects, the Super 30 Auto Eject is connected to the starter circuit so that ejection occurs when the engine is cranked.

INSTALLATION INSTRUCTIONS

Step 1: wiring unit

1. Remove rear plastic cover from Super 30 Auto Eject by unscrewing (4) #8-32 screws.
2. See figure 3 DC wiring. Snake wires through small cover strain relief and install wires as shown use 0.75mm² wire minimum.
3. See figure 2 AC wiring. Snake wires through large cover strain relief and install wires as shown use 6mm² wire minimum.
4. Reinstall rear plastic cover.
5. Test the unit to see if it is operational before mounting.

Step 2: mounting of unit

1. Locate a convenient place on the vehicle to mount the AUTO EJECT. Be sure that it is mounted so that the operator will have clear sight and use of 2 hands when connecting to unit (e.g. not too high and not too low).
2. A minimum clearance of 130mm behind the mounting panel is required.
3. Place the hole template (figure 4) in position and center punch in 6 places.
4. Drill 6 mounting holes, 3.5mm diameter. Be certain that all the holes are precisely located.
5. Cut-out rectangular hole.
6. See Figure 1: Mounting instructions. Install weatherproof cover, weatherproof cover gasket, mounting plate, and

mounting plate gasket to Super 30 using (2)#8-32 x ¾" and (2)#8-32 x 1 5/8" screws provided.

7. Install that assembly into cutout in truck wall using (6)#8-32 x ½" self-tapping screws provided.

TEST AND OPERATION

To test the unit, make sure all wiring is complete. Plug in connector to the Auto Eject and start the vehicle. The connector should eject at this time.

The Super 30 Auto Eject disconnects the shoreline by extending a shaft to push the connector out of the unit.

A novel plug detector closes and opens the A.C. circuit after the mating connector is inserted and before the connector is ejected. This eliminates arcing at the connector contacts and assures long contact. Because of this, the connector can be operated manually or automatically with no damage to the unit.

NOTES AND CAUTIONS

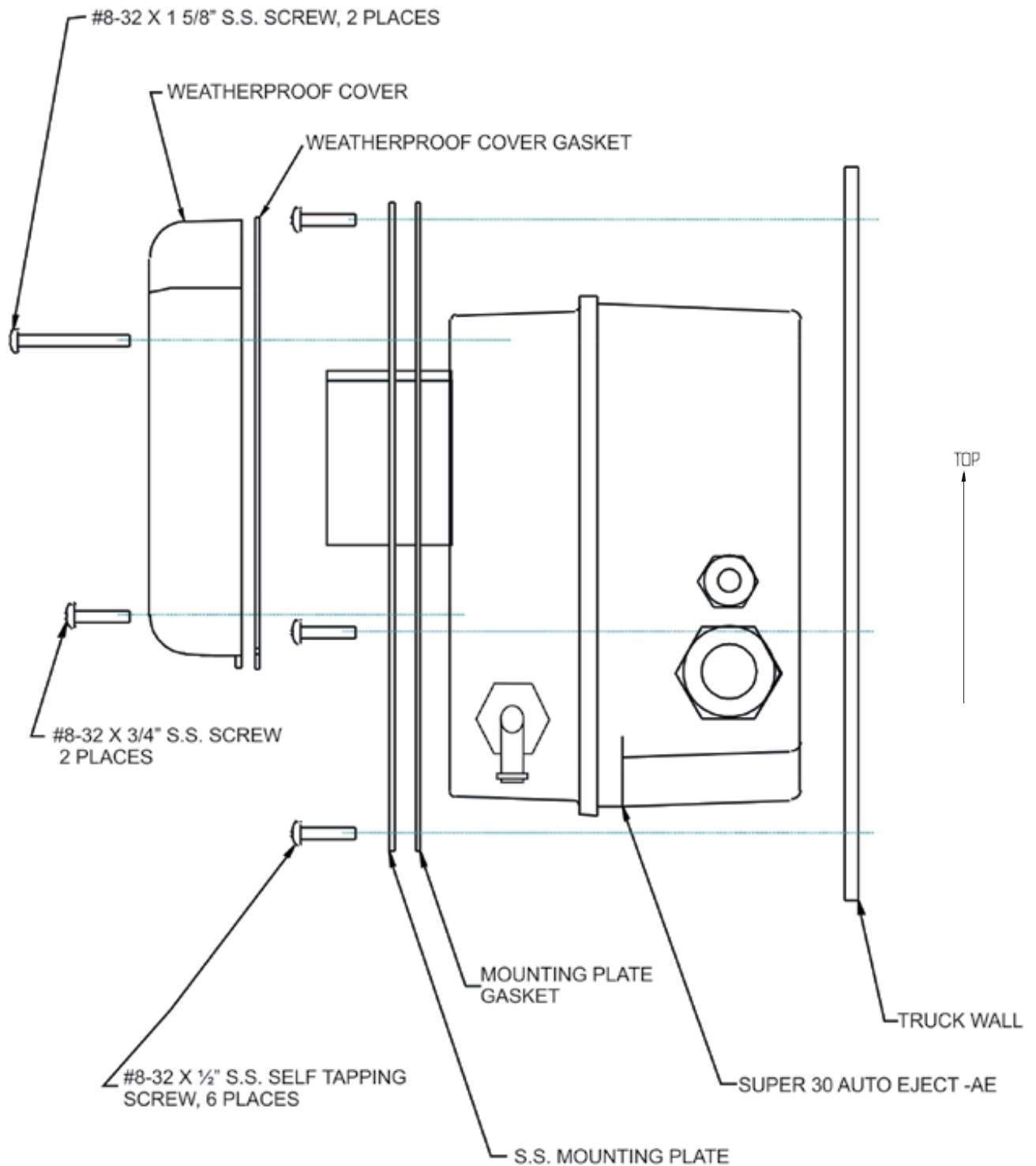
Do not permit the shoreline connector to drop to the floor when it is ejected. Keep from falling by suspending cable from above, with connector just above the floor when not in use. Dropping the connector may result in damage or breakage, and connectors on the floor are often driven over, thereby destroying them. Kussmaul Electronics and EVP LTD do not warrant the connector.

ABOUT CONNECTORS

The Super 30 Auto Eject is supplied with mating connector. We suggest that you utilize the connector supplied. When replacing with another connector, test carefully that the new connector fits and will eject properly.

SUPER 30 AUTO EJECT INSTALLATION GUIDE & MANUAL

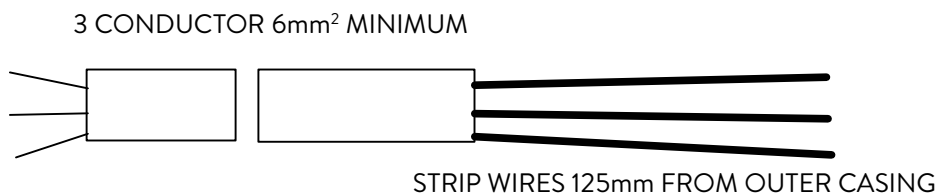
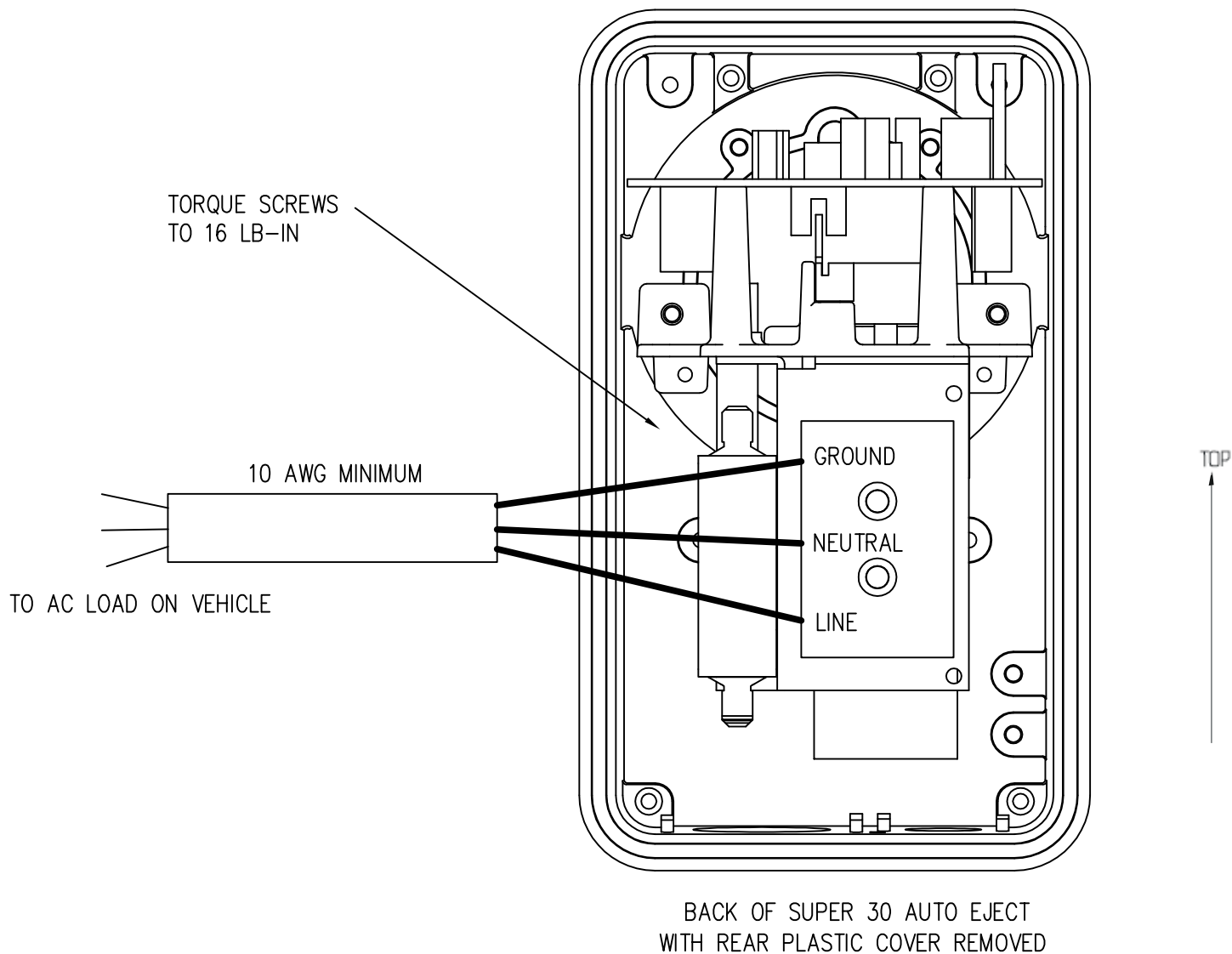
FIG 1 - MOUNTING INSTRUCTIONS



SUPER 30 AUTO EJECT

INSTALLATION GUIDE & MANUAL

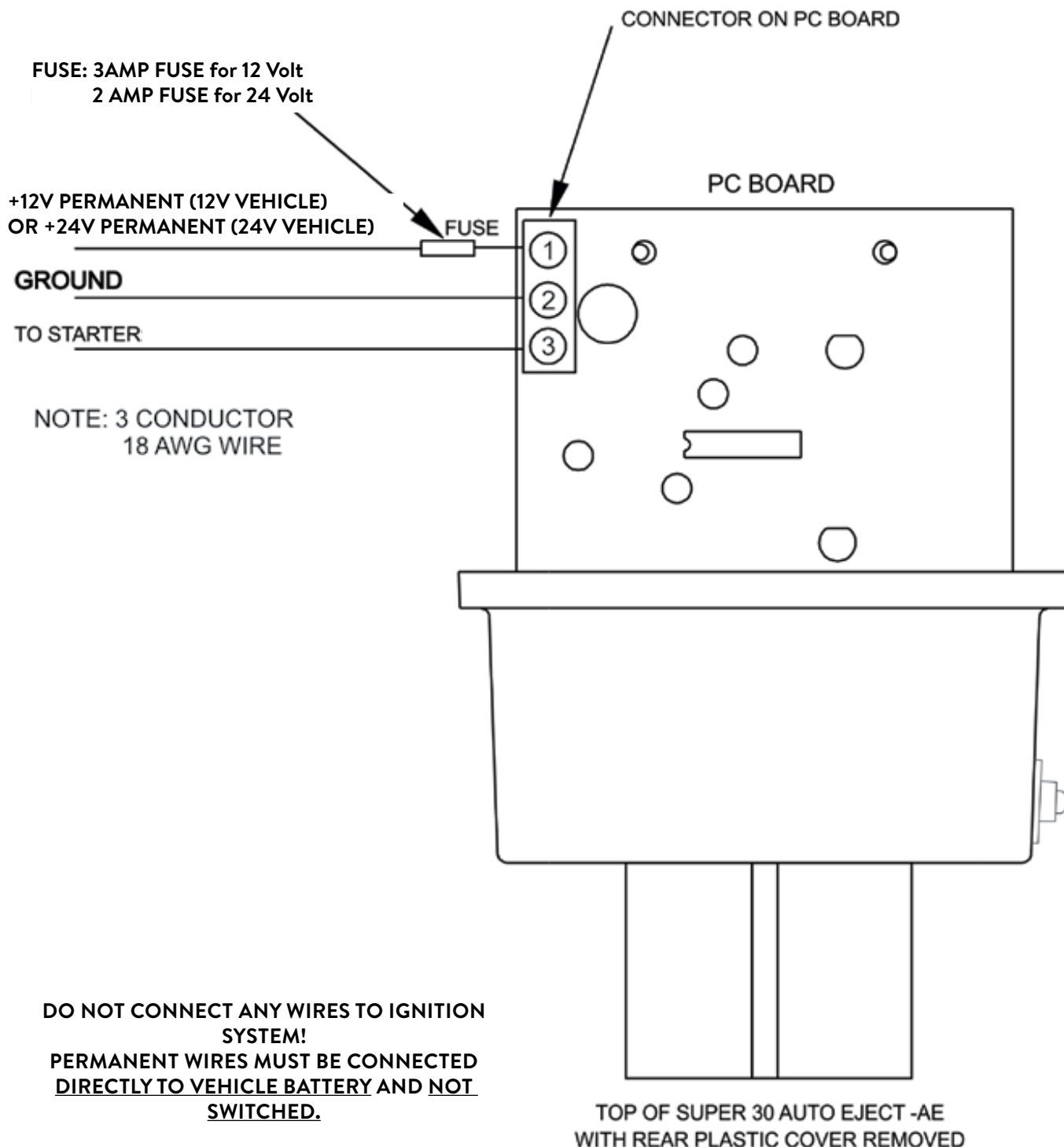
FIG 2 - AC WIRING CONNECTIONS



SUPER 30 AUTO EJECT

INSTALLATION GUIDE & MANUAL

FIG 3 - DC WIRING



SUPER 30 AUTO EJECT

INSTALLATION GUIDE & MANUAL

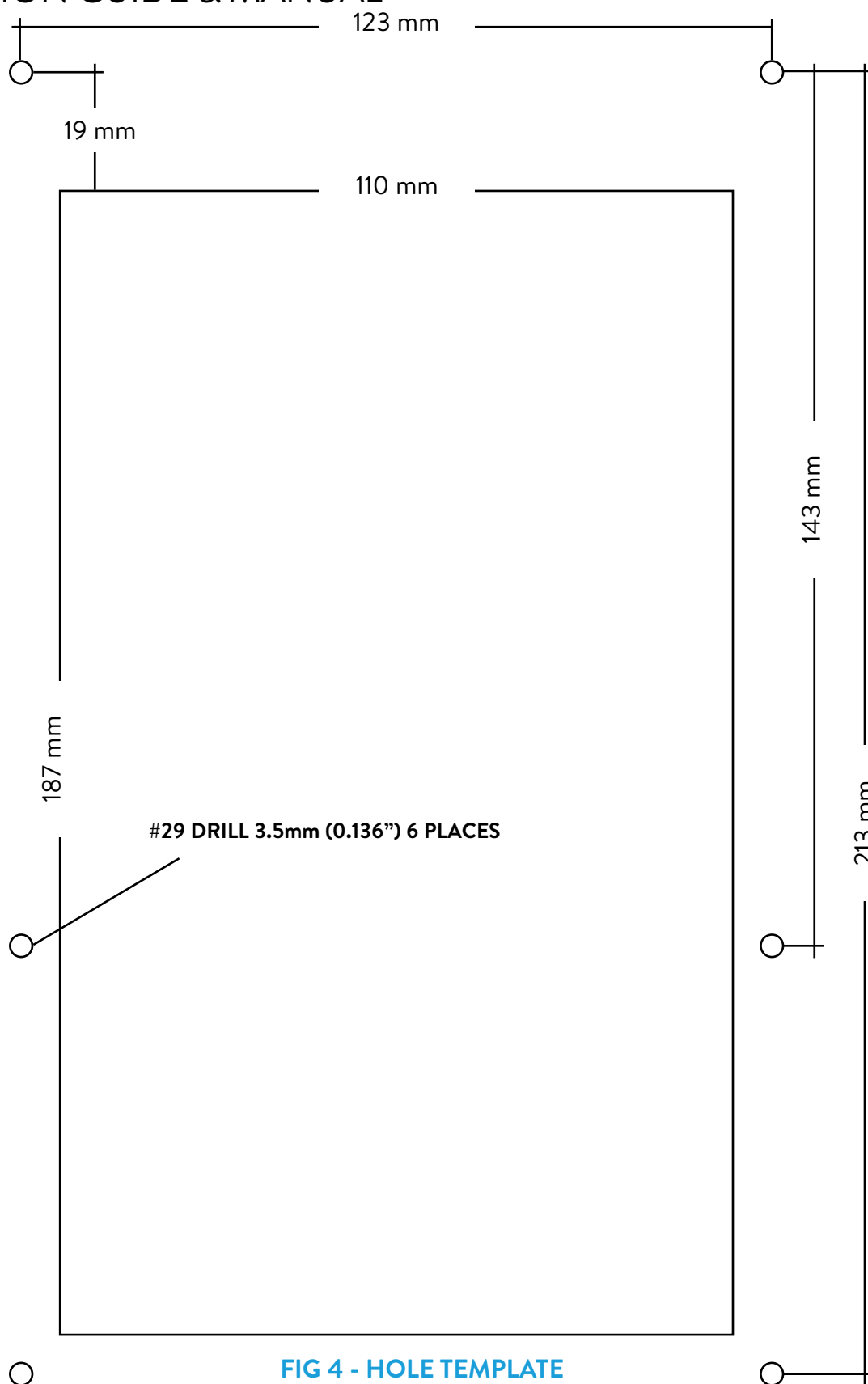


FIG 4 - HOLE TEMPLATE