

INSTRUCTION MANUAL

SUPER 30 AUTO EJECT

AUTOMATIC SHORE LINE DISCONNECT



30 AMP

MODEL # 091-159-430-250
MODEL # 091-159-430-250-24

2 YEAR WARRANTY



KUSSMAUL ELECTRONICS CO., INC.
170 CHERRY AVE., WEST SAYVILLE, N.Y. 11796

TEL: in NY 631-567-0314

TOLL FREE: 800-346-0857

FAX: 631-567-5826

INTRODUCTION

The Super 30 4 Pin 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 a 40 amp contactor in a separate weatherproof box 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 4 Pin Auto Eject is connected to the starter circuit so that ejection occurs when the engine is cranked.

INSTALLATION INSTRUCTIONS

Step #1 Mounting of unit

1. Locate a convenient place on the vehicle to mount the Super 30 4 Pin Auto Eject. A minimum clearance of 5 inches behind the mounting panel is required.
2. Place the hole template (figure 4) in position and center punch in 6 places.
3. Drill 6 mounting holes, #29 drill (0.136" diameter). Be certain that all the holes are precisely located.
4. Cut-out rectangular hole.
5. See figure 1 mounting. Install weatherproof cover, weatherproof cover gasket, mounting plate, and mounting plate gasket to super 30 using (2)#8-32 x 3/4" and (2)#8-32 x 1 5/8" screws provided.
6. Install that assembly into cut-out in truck wall using (6)#8-32 x 1/2" self tapping screws provided.

Step #2 Mounting of Contactor Box

1. Locate a convenient place on the vehicle close to the Super 30 4 Pin Auto Eject so the wires will reach the box. Use screws supplied.

Step #3 Wiring Unit

1. See figure 3 Wiring. Insert AC wires through the Contactor Box strain relief and install wires as shown.
2. See figure 3 Wiring. Install DC wires as shown, use 18 AWG wire minimum.
3. Test the unit to verify that it is operational.

TEST AND OPERATION

To test the unit make sure all wiring is complete. Plug in connector to the Super 30 4 Pin Auto Eject and start the vehicle. The connector should eject at this time.

The Super 30 4 Pin Auto Eject disconnects the shoreline by extending a shaft to push the plug out of the unit.

A novel plug detector closes and opens a 40 amp contactor in a separate weatherproof enclosure 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.

Measure the voltage from TP1 & TP2 (see figure 3). This must be 120 volts AC to operate the contactor.

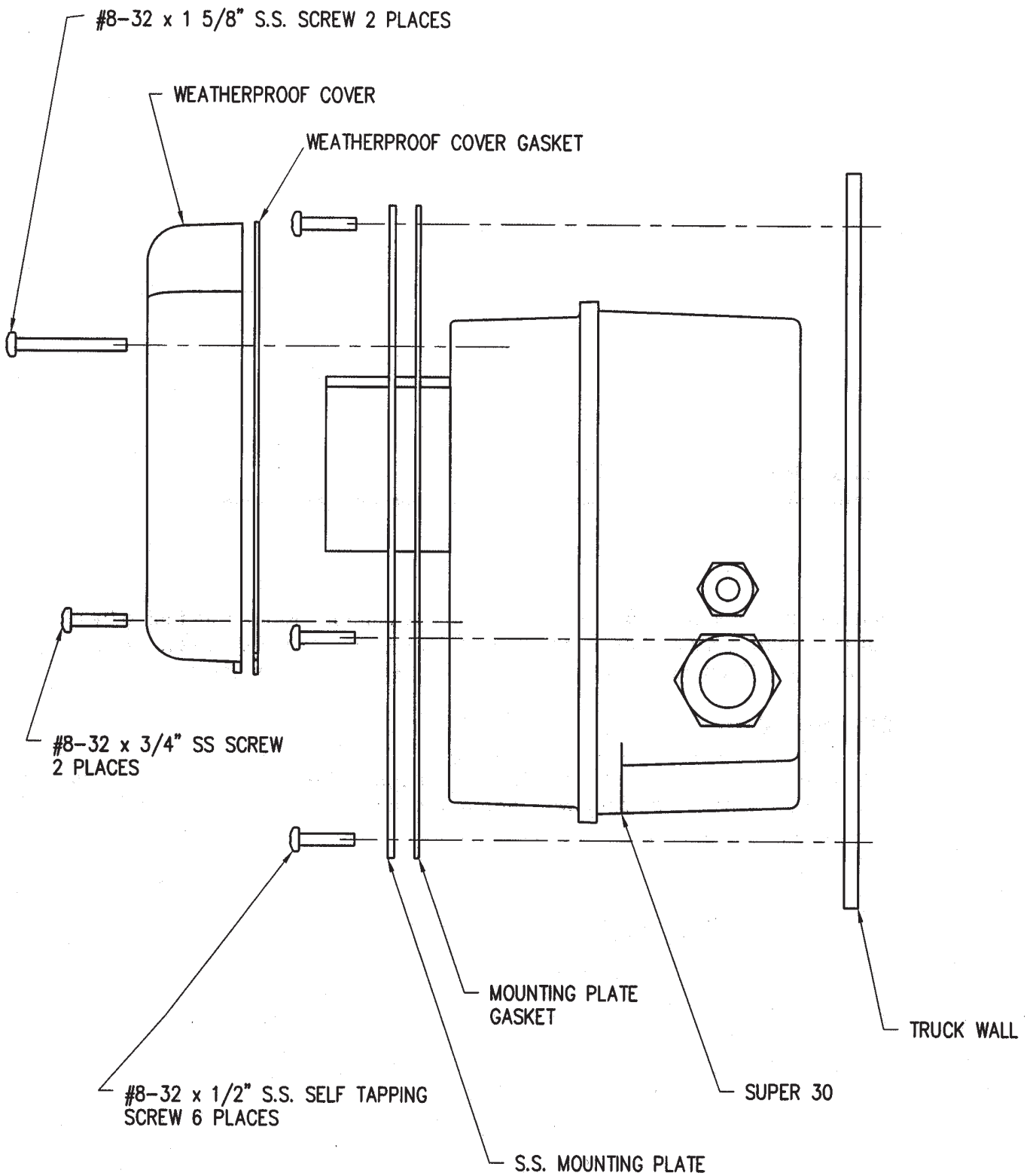
NOTES AND CAUTIONS

NOTE

Do not permit the shore line to drop to the floor when it is ejected. Keep from falling by utilizing a bungee cord restraint, cord reel or some other device. Dropping the connector may result in damage or breakage. Kussmaul Electronics does not warrant the connector.

ABOUT CONNECTORS

The Super 30 4 Pin 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 will eject properly.



UNLESS OTHERWISE SPECIFIED:
 DIMENSIONS ARE IN INCHES
 TOLERANCES
 DECIMALS ANGULAR
 .XX ± .005
 .XXX ± .010
 DO NOT SCALE DRAWING



KUSSMAUL ELECTRONICS CO., INC.
 WEST SAYVILLE, NY

FIGURE 1 MOUNTING INSTRUCTIONS

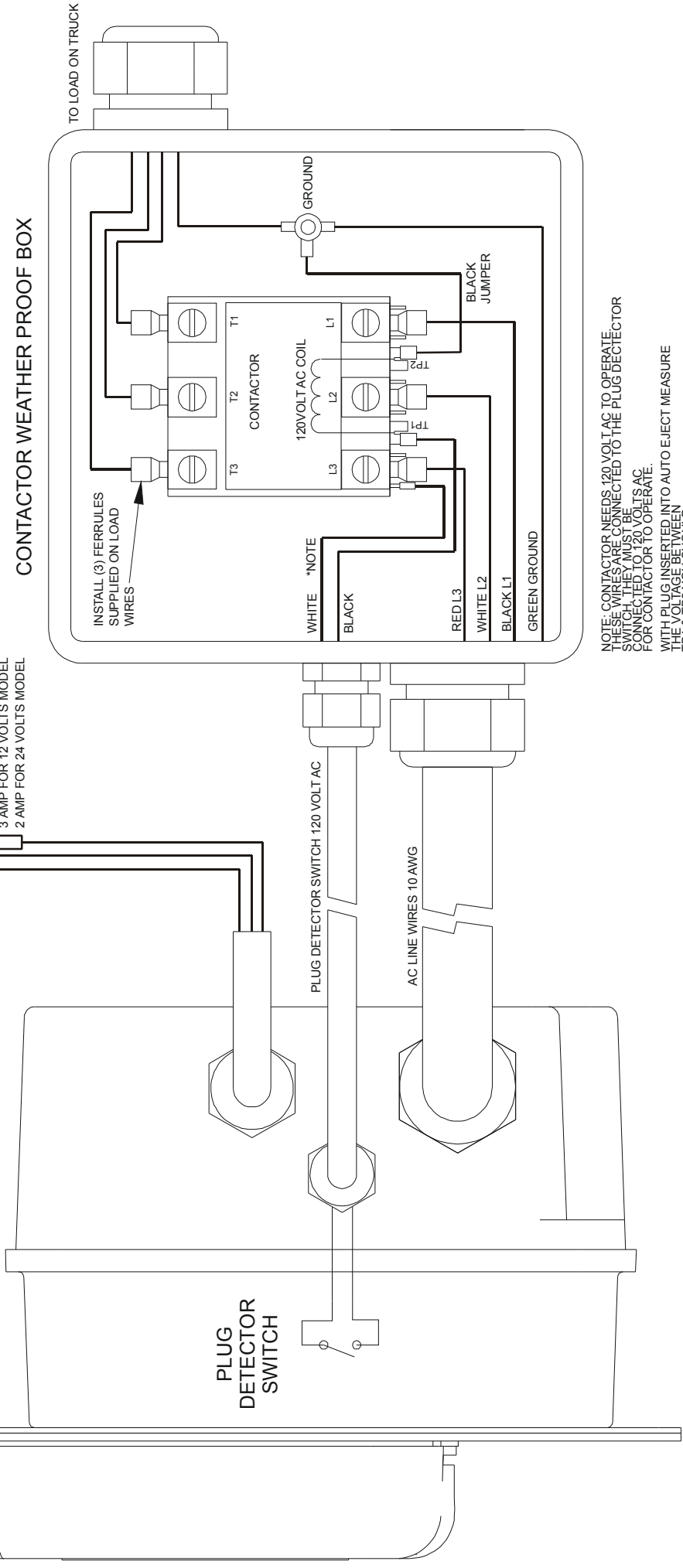
DRAWN
T. Nugent
 FINISH
 MAT

SIZE	DWG NO.	REV
	091-159	
SCALE	DATE	SHEET OF

DC INPUT FOR AUTO EJECT OPERATION

4 PIN SUPER 30 AUTO EJECT

WHITE (START)
 GREEN (GROUND)
 BLACK (+12 OR 24 VOLTS CONTINUOUS) DEPENDING ON THE MODEL
 FUSE
 3 AMP FOR 12 VOLTS MODEL
 2 AMP FOR 24 VOLTS MODEL



CONTACTOR WEATHER PROOF BOX

INSTALL (3) FERRULES SUPPLIED ON LOAD WIRES

WHITE *NOTE
 BLACK
 RED L3
 WHITE L2
 BLACK L1
 GREEN GROUND

NOTE: CONTACTOR NEEDS 120 VOLT AC TO OPERATE. THESE WIRES ARE CONNECTED TO THE PLUG DETECTOR WHICH WILL READ 120 VOLTS AC. THE PLUG DETECTOR IS CONNECTED TO 120 VOLTS AC FOR CONTACTOR TO OPERATE.
 WITH PLUG INSERTED INTO AUTO EJECT MEASURE WITH VOLTMETER BETWEEN T1 & T2. VOLTS SHOULD READ 120 VOLTS AC.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
 DECIMALS ANGULAR
 XX DIA
 RADIUS
 DO NOT SCALE DRAWING

DESIGNED BY
T. Nugent

DATE
 091-159-430

SCALE
 1/8" = 1"

DRAWN BY
 T. Nugent

CHECKED BY
 T. Nugent

DATE
 091-159-430

SHEET
 01

OF
 01

KUSEMAUL ELECTRONICS CO., INC.
 WESTSPARVILLE, NY

FIGUR 3 WIRING

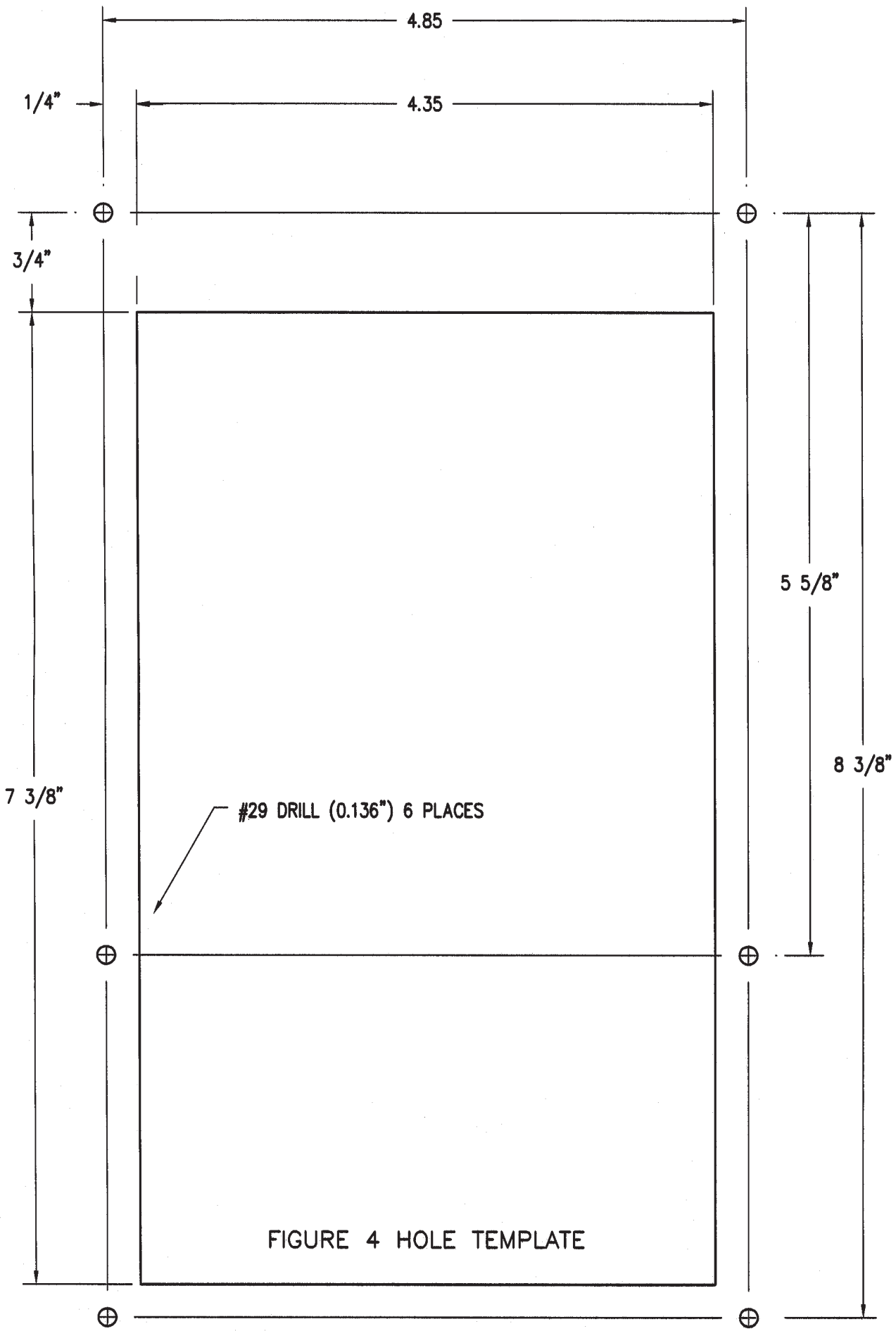
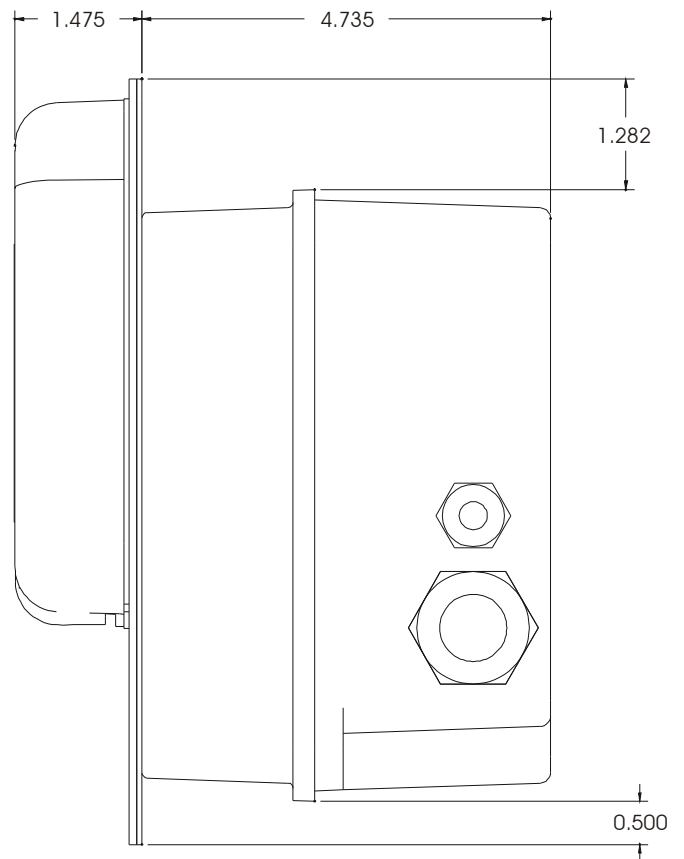
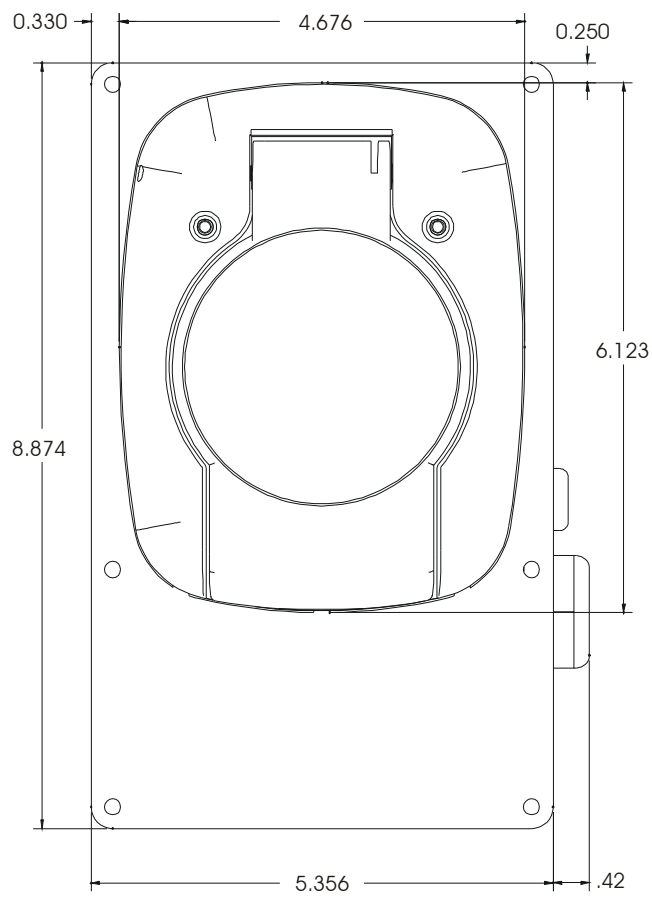
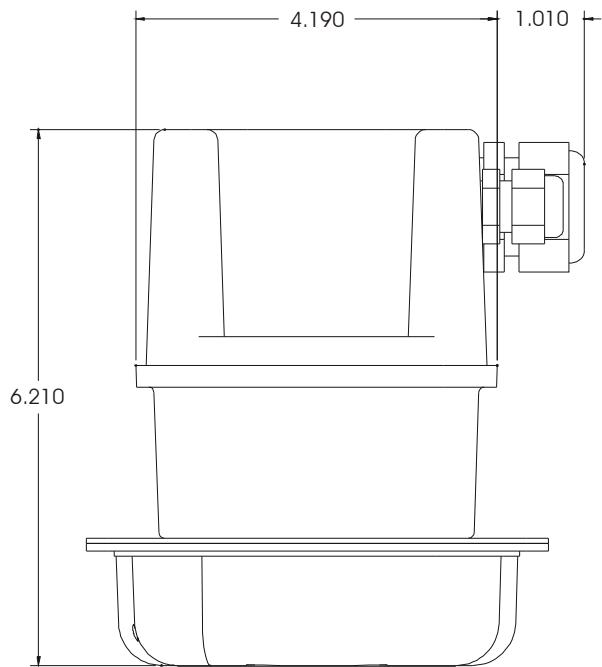


FIGURE 4 HOLE TEMPLATE



UNLESS OTHERWISE SPECIFIED:
 DIMENSIONS ARE IN INCHES
 TOLERANCES
 DECIMALS ANGULAR
 .XX + .005
 .XXX + .001
 DO NOT SCALE DRAWING



KUSSMAUL ELECTRONICS CO., INC.
 WEST SAVILLE, NY

OUTLINE DRAWING

DRAWN T. Nugent	SIZE	DWG NO. 091-159	REV
FINISH	SCALE	DATE	SHEET OF
MAT.			

INSTALLATION RECORD & WARRANTY

Date Installed _____

Installed By _____

Vehicle Identification _____

Vehicle Owner _____

2 YEAR WARRANTY

All Super 30 Auto Ejects manufactured by Kussmal Electronics Company Inc. are warranted to be free of defects of material or workmanship. Liability is limited to repairing or replacing at our factory, without charge, any material or defects which become apparent in normal use within 2 years from the date the equipment was shipped. Equipment is to be returned, shipping charges prepaid and will be returned, after repair, shipping charges paid.

This warranty does not include normal wear and tear, pitting of the electrical contacts, malfunction due to contamination of the mechanism, or any cracking, breakage or damage to the connector.

Kussmal Electronics Company, Inc. shall have no liability for damages of any kind to associated equipment arising from the installation and /or use of the Kussmal Electronics Company, Inc. products. The purchaser, by the acceptance of the equipment, assumes all liability for any damages which may result from its installation, use or misuse, by the purchaser, his or its employees or others.