

DRIVEGUARD™ COMPONENTS



FC-6 Indoor Photocell



The FC-6 is a photocell block with double sided tape for attachment to an Inside window. When wired to CF-2C control unit, will keep lights from coming on when system is tripped during daylight hours. It is for indoor installation only.

- Use with CF-2C Control Unit only
- Saves money by keeping lights off during daylight hours
- Includes double sided tape on back

- Screw terminal hook up
- Fully adjustable at CF-2C control unit
- Included with every CF-2C Control Unit, but may be purchased separately

FC-12 Outdoor Photocell



The FC-12 is an outdoor photocell, sealed and mounted in an LB electrical junction box. When wired to the CF-2C control unit, it will keep lights from coming on when system is tripped during daylight hours. It is for outdoor installation. May be used as a conduit through which to bring sensor probe wires into the house.

- Use with CF-2C control unit only
- Saves money by keeping lights off during daylight hours
- Photocell sealed in LB junction box

- Weatherproof for outside mounting
- Fully adjustable at CF-2C control unit
- Screw terminal hook up
- Bring probe wire safely into house

CA-5 & CA-6 Transformers



The CA-5 and CA-6 are replacement 12 VAC plug-in transformers used with Cartell control units. When integrating Cartell with other systems, it is best to use this transformer rather than relying on other systems (security, home automation, etc.) to power Cartell.

- Made of durable, molded plastic
- Plug into 115 VAC power supply
- Provides 12 VAC out
- Provides 4 ft. leads with pigtails

- Use CA-5 with CT-2B control unit
- Use CA-5 with CT-GATE control unit or power CT-GATE via gate operator
- Use CA-6 with CF-2C control unit

Technical Specifications

	FC-6	FC-12	CA-5 / 6
Req. Power	–	–	115 VAC in / 12 VAC out
Current	–	–	300 mA max (CA-5) 700 mA max (CA-6)
Temp. Range	-40° F. - +250° F.	-40° F. - +250° F.	-40° F. - +250° F.
Dimensions	1" x 1" x 7/8"	4½" x 2¾" x 1¼"	2" x 1½" x 1½"
Weight	1/10 lbs.	1.5 lbs.	1.5 lbs.

CA-1 Splice Kit

The CA-1 is an underground wire splice kit manufactured by 3M (3M part number 82-F1).

Features

- Waterproofs and seals splice
- Easy-to-follow instructions included
- Use with CT-5 and CP-5 probe cable
- Cartell cable is polyurethane coated, making splicing possible

Splice Kit Contents

- Scotch Compound (A)
- Removable Mold (B)
- Abrasive Strip 80J Grit (C)
- Tape Strips (D)
- Instructions also included

Splicing Instructions

Improper probe cable splices will cause false alarms. Be sure to follow these instructions.

Two items are necessary when splicing, both available from the manufacturer and distributors of Cartell:

- Two-wire shielded direct burial polyurethane-coated cable (unshielded cable and PVC or polyethylene jacketed cable will not give proper splices).
- Underground splice kit (made by 3M, Part #82-F1; Cartell's part number is CA-1).

These instructions assume you have the above products.

1. See Figure A. Strip the outer jacket on one cable back 10 inches and cut the red and black leads to 3 inches, leaving the shield drain wire the full 10 inch length. Strip the outer jacket off the mating cable back 3 inches and strip the jacket of the red and black lead of both cables back 1/2 inch. Twist the black to black and red to red and solder the connections as shown in Figure A.

2. See Figure B. Trim the red and black joints and tape for proper insulation. Twist the 3 inch shield drain wire to the 10 inch shield drain wire and solder the connection as show in Figure B.

3. See Figure C. Wrap aluminum foil around the splice area. Wrap the 10 inch shield drain wire tightly around the outside of the foil and solder it to itself in order to hold it in place, as shown in Figure C. This procedure insures that any signal to the splice shield will drain to ground and thus prevent false alarms.

4. See Figure D. Place an underground splice kit potting container around the spliced cable and epoxy pot as shown in Figure D.

5. Follow the kit instructions from 3M carefully.

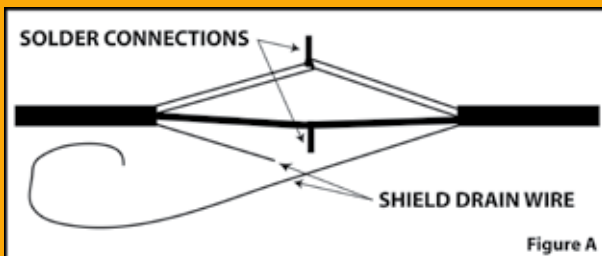


Figure A

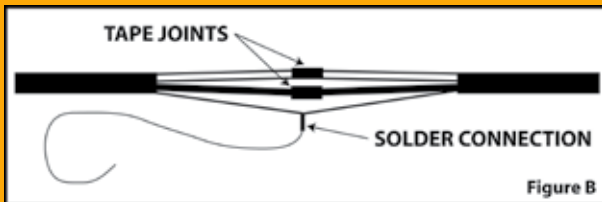


Figure B

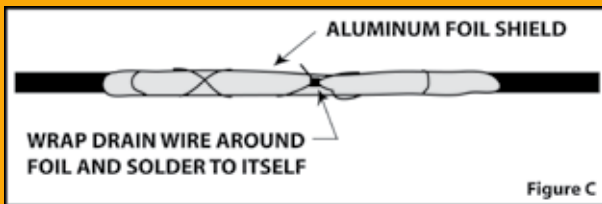


Figure C

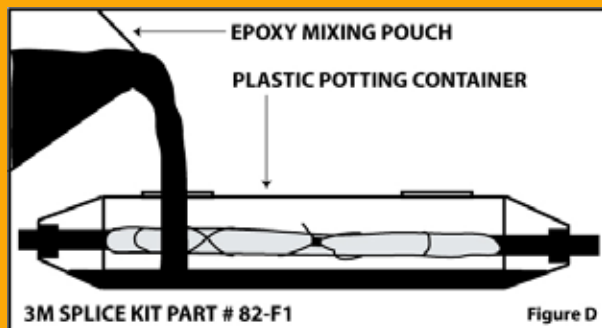


Figure D