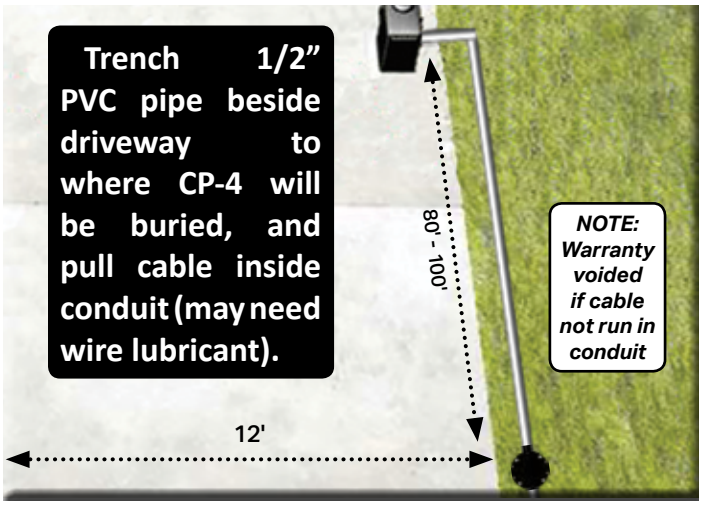
INSTALLATION INSTRUCTIONS FOR CP-4 AUTOMATIC GATE OPENER*

1. SERIAL NUMBER

There is a barcode serial number on the bottom of "puck" and on the product box. When calling to talk about your product, please have this number handy.



2. TRENCH PIPE & CABLE



3. CONDUIT & SLIP JOINT



After pulling cable through plastic conduit, insert conduit inside slip joint on "puck."

DO NOT GLUE (to un-install later, if needed).

4. CONNECT TO GATE

CP-4 works with all gate operators—powered or solar. Connect wires as follows:

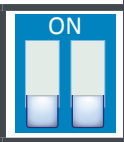
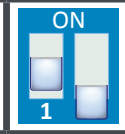


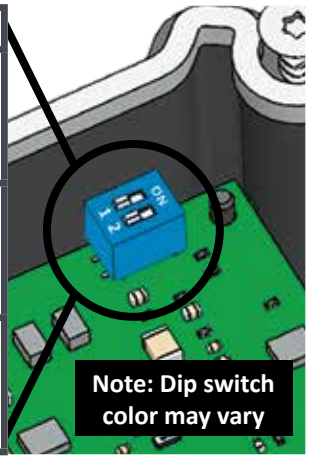
POWER GATES		SOLAR GATES		
RED	→ POWER +	RED	→	POWER +
BLACK	→ POWER –	BLACK WHITE	→	GND or COM
WHITE	→ COMMON			
BLUE	→ EXIT N.O.	BLUE	→	FREE EXIT or OPEN TERMINAL
YELLOW	→ EXIT N.C.			

VOLTAGE	CURRENT
8-24 VAC 8-30 VDC	Standby: 30-70 µA Alarm: 40-60 mA

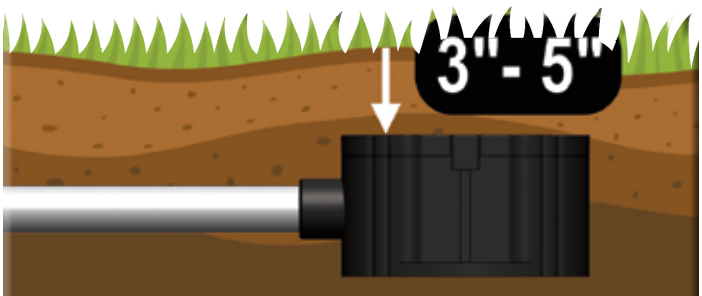
5. TEST SENSITIVITY

NOTE: IN MOST CASES SENSITIVITY WILL NOT NEED TO BE ADJUSTED.

SENSITIVITY ADJUSTMENT	
HIGH (Default) Detects vehicle 12-14' 1 & 2 in OFF position	
MEDIUM Detects vehicle 6-8' 1 ON & 2 OFF position	
LOW Detects vehicle 2-3' 1 & 2 in ON position	



6. BURY CONDUIT & "PUCK"



Test unit with gate by swinging steel over puck (or driving vehicle by). If it opens the gate correctly, finish installation by burying conduit and puck 3-5" below surface.

OTHER INSTRUCTIONS

- **CP-4 may be installed above ground by screwing "puck" directly to post or building**
- **If above ground, make sure puck is immovable to eliminate false alarms**
- **If installed above ground, conduit is required to mechanically protect cable (animals will eat)**

Install CP-4 at least:

- **6-10 feet away from buried power, telephone, or invisible dog fence**
- **10 feet away from natural gas lines**
- **20 feet away from power pole with a transformer**
- **100 feet back from railroad traffic**
- **200 feet away from high power substation power lines**
- **80-100 feet back from gate operator**

Technical Specifications	
Power Required	8–24 VAC or 8–30 VDC
Stand-By Current	30–70 Microamps (µA)
Alarm Current	30–40 Milliamps (mA)
Relay Time	2–3 seconds
Relay Contacts	SPDT, floating, N.O. or N.C. (Form C)
Relay Contact Rating	1 amp/24 VDC (1 mA at 5 VDC min. load)
Enclosure Rating	IP67
Strength Rating	9.53 ton-force 8646 kgf
Temperature Range	-25° F. – +140° F. -32° C. – 60° C.
Dimensions	4.5 in. dia. x 2.5 in. high
Weight	5 lbs. with 100 ft. cable

RETURNING MERCHANDISE

CONSUMER: Contact us at (800) 878-7829

INSTALLER: CALL BEFORE DIGGING UP

Call us to troubleshoot and receive a Return Merchandise Authorization (R.M.A.) number. Write R.M.A. number on return shipping box and any correspondence included with defective product.

5 YEAR WARRANTY

All Cartell products are warranted against defects in material and workmanship for five years.

This warranty does not cover defects caused by, but not limited to: acts of God, improper installation, abuse, fire damage, electrical surges, and damage to cable caused by slicing, pulling, tangling, improper splicing or not running in non-metalic conduit.

cartell®

The CP-4 complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.