

Pioneer™ Free Exit System

(product code CT-3BG Free Exit System)

Pioneer™ Overview



The Pioneer™ free exit system includes a sensor probe and an external output board with sensitivity and time adjustments. The board comes with or without enclosure and has been conformal coated for direct installation in a gate operator.

Its sensor is buried beside the driveway, hidden and vandal-proof, and connected to the output board. There is no limit to the length of cable on the sensor probe (100' to 3000'). Its sensor only detects moving steel, preventing the gate from being tripped open by animals or blowing objects.

It accepts universal voltage (AC and DC), allowing it to be used with any gate operator, solar or powered.

Pioneer™ Features

- > Based on magnetometer technology
- > Two component system
- > Sensor buried beside driveway, hidden and vandal-proof
- > Covers 12 foot wide driveway
- > No limit to cable length on sensor probe
- > Small output board installed in gate operator
- > N.O. and N.C. relay contacts
- > Sensitivity and relay time adjustments
- > Manual trip-test button
- > RFI/EMF protection
- > Five year warranty
- > Made and supported in the U.S.

Pioneer™ Components

Two components make up the Pioneer™ free exit system:



• CT-3BG circuit board

The CT-3BG circuit board is the same as in the CT-2B control unit. The difference is that the CT-3BG (the "G" represents "Gate") is conformal coated with acrylic for direct installation in an automatic gate operator. It comes with or without the enclosure. The board is less than 4 inches square.

The CT-3BG is connected to the free exit terminals on the gate operator. Universal voltage (AC and DC) make it compatible with any gate operator, solar or powered.

Field adjustments include relay time and sensor probe sensitivity. The adjustments, multi-component aspect, and variety of sensor probe cable lengths differentiate it from the GateMate™ free exit system.



• CT-6 sensor probe

Based on magnetometer technology, the CT-6 detects movement in the earth's magnetic field caused by moving steel. It will not detect animals, people or blowing objects. Wind and weather do not affect it. This makes it virtually false-alarm proof. It does not require power.

The CT-6 sensor probe should be buried 6-10 inches underground, at least 100 feet from

the automatic gate operator (toward the house), beside and parallel to the driveway. It covers a 12' wide driveway from the side. It has direct burial cable attached, making conduit unnecessary. The cable is buried 3-6 inches underground, up to the gate operator and connected to the CT-3BG circuit board.

The CT-6 comes with a custom length of direct burial cable attached in increments of 50' from 100' to 500'; comes in increments of 100' from 500' to 3000'. The cable is polyurethane coated, making repair-splicing in the field possible.

Pioneer™ Technical Specs

Pioneer™ Free Exit System (CT-3BG)	
Power Required	8-31 VAC; 10-41 VDC
Stand-by Current	Under 1 mA
Alarm Current	30 mA max.
Relay Contact Rating	Double pole, Double-throw 1st Pole: 12 VDC, 200 mA for remotes 2nd Pole: SPDT, 5 amps, 30 VDC
Relay Time	½ -15 seconds
Temperature Range	0° F. - 140° F. (-17° C. - +60° C.)
Dimensions (Board)	4¼" x 3¼"
Dimensions (Sensor Probe)	16½" long x 1½" diameter
Weight (Board)	¼ lbs.
Weight (Total with Sensor)	4 lbs. with 100 ft. of cable

