

PREFORMED INDUCTIVE GROUND LOOP

DoorKing Part Numbers

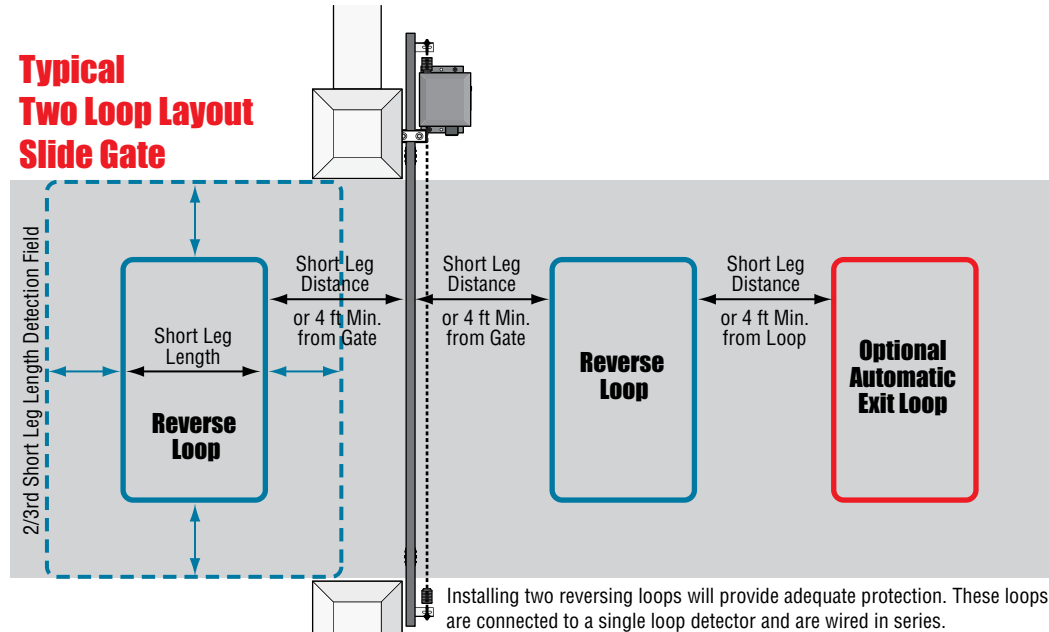
9401-060
Blue

9401-061
Yellow

9401-062
Red

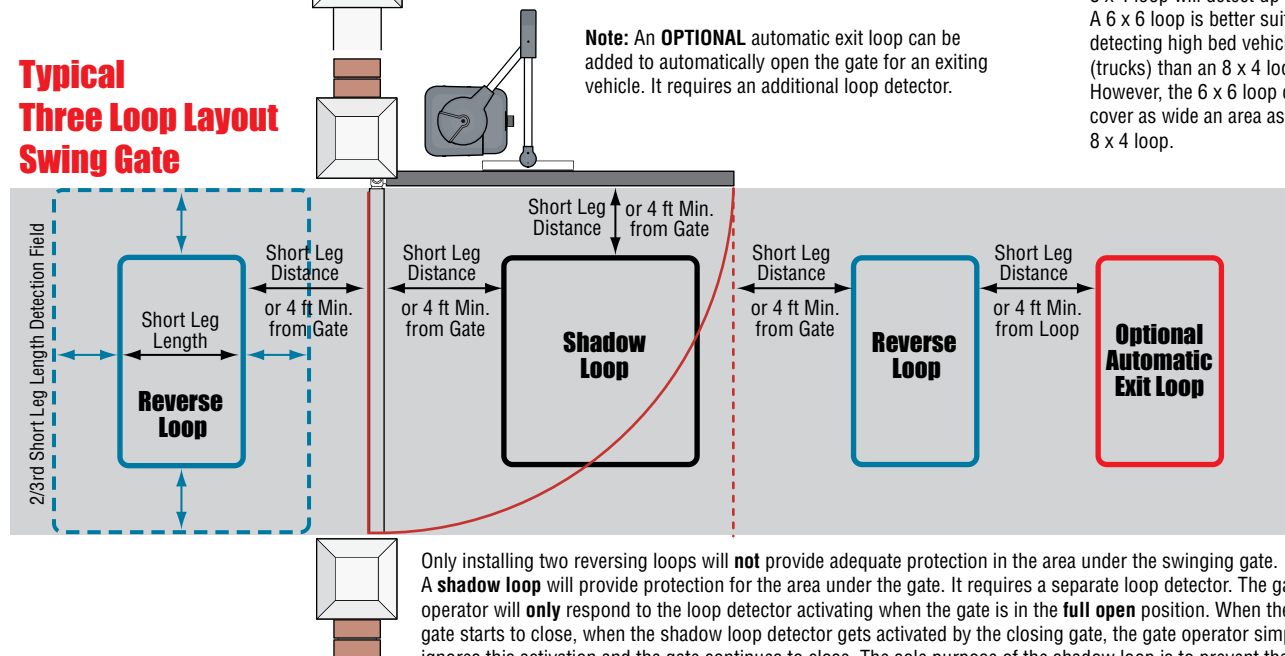
DoorKing's preformed inductive loop is designed for placement in traffic lanes prior to the finished road surface being applied. This allows for loop detection of vehicles without having to saw cut the road surface and simplifies installation. The preformed loop is extremely flexible and has a circumference of 24 feet. This allows the installer to fabricate the loop to the size required for the given traffic lane and traffic type. Typical loop sizes are 6' x 6' and 8' x 4'. The 50 foot lead—in cable is twisted and will meet most loop application requirements. The loop is manufactured with three turns of XLPE insulated 18 AWG stranded wire and is available in yellow, blue and red colors for easy loop identification in multi-loop applications. The wire is encased in PLIOVIC tubing to protect the wire from abrasions and also makes a water tight enclosure. The lead-in wire "T" connector is designed so that the lead-in wire can be routed through 1 1/2" PVC conduit, which can be placed over the connector and sealed. The DoorKing preformed loop includes four hold down stakes to keep the loop in place prior to the road surface being poured (see reverse side).

Typical Two Loop Layout Slide Gate



Sizing Loops: A rule of thumb for sizing loops is that the height of detection will be approximately 2/3 the length of the short leg of the loop. Example, a 6 x 6 loop could detect up to 4 ft while an 8 x 4 loop will detect up to 3 ft. A 6 x 6 loop is better suited to detecting high bed vehicles (trucks) than an 8 x 4 loop. However, the 6 x 6 loop cannot cover as wide an area as an 8 x 4 loop.

Typical Three Loop Layout Swing Gate



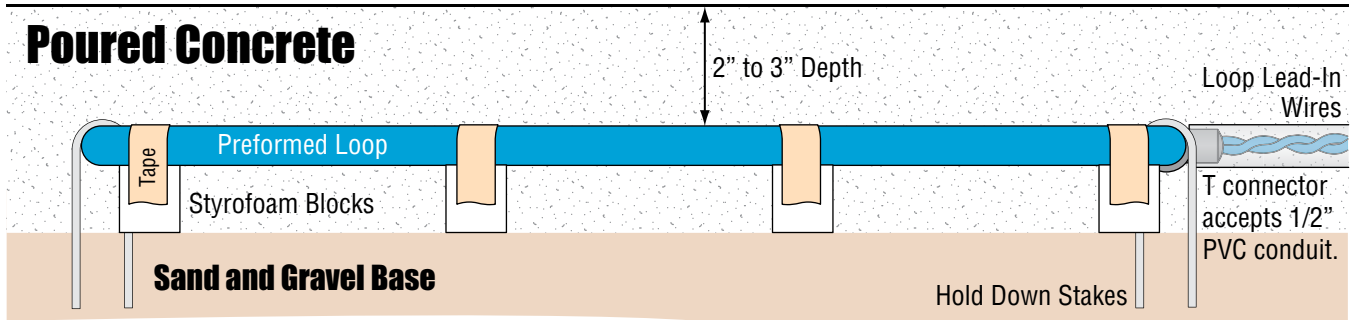
Only installing two reversing loops will **not** provide adequate protection in the area under the swinging gate. A **shadow loop** will provide protection for the area under the gate. It requires a separate loop detector. The gate operator will **only** respond to the loop detector activating when the gate is in the **full open** position. When the gate starts to close, when the shadow loop detector gets activated by the closing gate, the gate operator simply ignores this activation and the gate continues to close. The sole purpose of the shadow loop is to prevent the gate from closing on a vehicle that is **between** the reverse loops and is not being detected by them.

DoorKing offers a free "Loop and Loop-Detectors Information Manual" PDF located at DoorKing's web site for more information. www.doorking.com

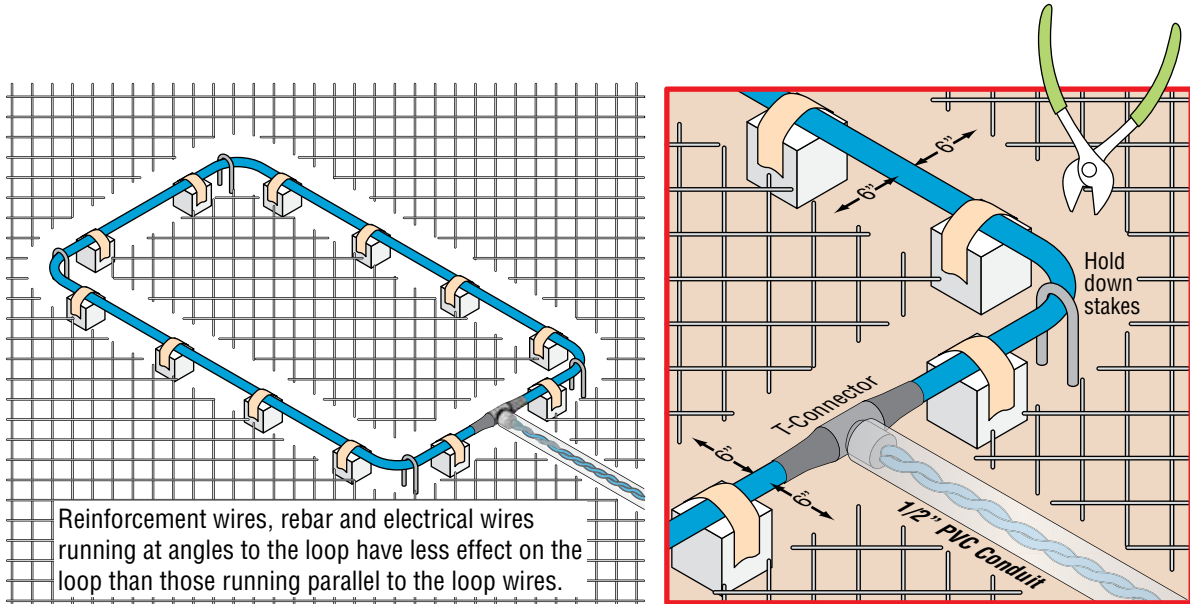
DOORKING
120 S. Glasgow Avenue
Inglewood, California 90301 U.S.A.

Installation

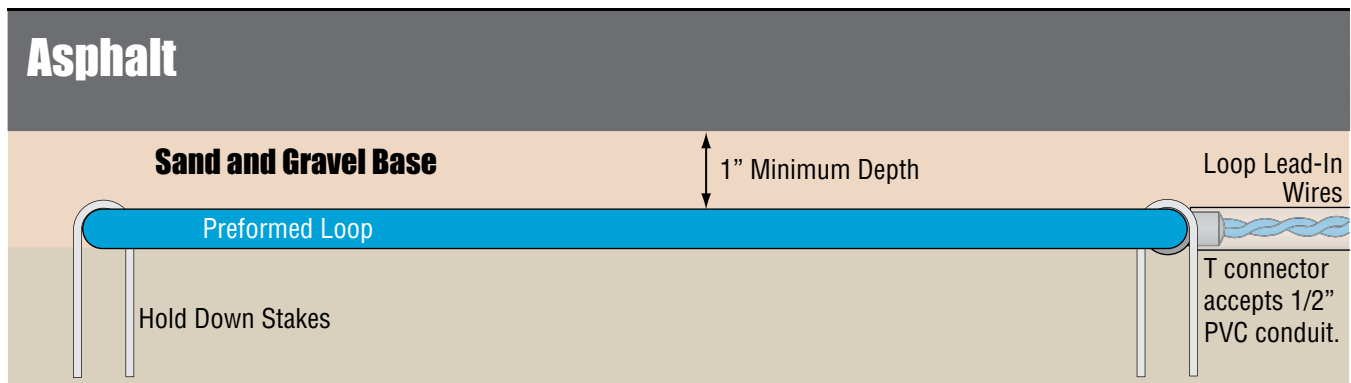
DoorKing Part Numbers
9401-060 Blue **9401-061** Yellow **9401-062** Red



Preformed loops should be imbedded **2 to 3 inches** below the surface of the poured concrete pavement.



Wire mesh or reinforcement in concrete should be cut away a minimum of **6 inches** from the perimeter of the loop.



If installed with asphalt pavement, cover the loop with **1-inch minimum** of soil or sand to protect the loop from hot asphalt.

