

≡ HARBOUR DOOR

||| HARBOUR GATE | 25 YEARS OF SERIOUS SERVICE |

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harbourdoor.com

Gate Components

Gate Mounting Options:

- Steel posts – embedded or surface mount
 - Minimum of 6” X 6” steel
 - Powder coated to match gate colour
 - Can be embedded in concrete or mounted on concrete pads with base plates

- Steel angles – embedded into stone/concrete pillars
 - 6” X 4” X 1/4” steel angle with rebar protrusions, designed to be incorporated into the back corner of your stone pillar
 - Painted to match gate colour

- Secondary Steel posts - mounted behind existing pillars
 - Embedded or surface mount

- Anchoring directly onto pillar facing with epoxy –
 - More cost effective, but not recommended for long term performance



Gate Hinges:

- Weld on or bolt on – 1” X 4” hinges with 3” X 5” mounting plate
- Adjustable, greaseable commercial grade hinges

Fiberglass Boxes:

- Typically 14” X 16” X 8” or 16” X 18” X 8”
- Weatherproof boxes designed to house the main control panel for the gate operator and to protect additional accessories, such as the radio receiver, loop detector and power transformer.
- These products can be provided in advance, so that they can be incorporated into the stone columns, or they can be mounted on a custom stand, in close proximity to the gate system.
- All of the conduit is brought up from the bottom of the box, not from the back.



Gooseneck Stands:

- Aluminum or steel post with angled head designed for vehicle approach
- Used for mounting communication/access controls
- To be surface mounted or embedded in concrete
- Various sizes/styles available to meet site conditions
- Economy, Basic and Deluxe design options

(Economy – constructed from 2” X 2” material, has an offset of approx. 12”, ideal for mounting keypads and pushbuttons – face is approx. 4” X 4” / Basic – constructed from 4” X 4” material, has an offset of approx. 14”, ideal for mounting a telephone entry or intercom system – face is approx. 11” X 13” / Deluxe - constructed from 4” X 4” material, has a custom offset and a custom, protective, aluminum head, ideal for mounting telephone entry or intercom system)

Entrance Devices:

1. Co-ax Radio Receiver: Typically we use Liftmaster brand equipment, so that it can be used in conjunction with the clients existing garage door opener remotes.
We supply a commercial grade co-ax unit that will accommodate up to 31 transmitters. The co-ax cable and antenna will allow for increased range. It can also be programmed with “HomeLink” compatible vehicles.
(Wiring requirements – 4 wire/18 gauge)
2. Transmitters (Hand held remotes): Typically we use Liftmaster brand controls, so they can be used in conjunction with the clients existing Liftmaster garage door opener. They are available in a 3 button visor unit or the convenient mini keychain style.
3. Single Station Intercom: This is composed of an exterior grade station, which is mounted on a gooseneck stand, and one interior station, which is mounted in a central location in the house. The intercom will allow voice communication from the gate into the single interior station, as well as the ability to open the gate. Additional equipment is available, such as multiple interior stations, or a video option. (Dimensions of interior station is 5 1/4” wide X 7 1/2” high X 1 3/4” thick and the exterior station is 3 1/2” wide X 5” high X 1 11/8” thick.

Wiring requirements – 2 pair not twisted #18 – to a distance of 490 feet maximum. 4 wires lead from the exterior to the interior station and 2 wires from plug-in 6 volt transformer to the interior station. The interior station can also be powered by batteries, in place of the transformer.)



4. Digital Entry (Outside keypad): An exterior grade armoured and vandal resistant, water tight, backlit and programmable keypad. Typically mounted on a gooseneck stand. (Wiring requirements – 4 - #18 gauge single strand wires.)
5. In-Ground Loop and Detector: In-ground wire loop, for vehicle detection, signals the gate to open. Can be used as a “free entrance” device, allowing all approaching vehicles, access to the property. The loop will allow vehicle access but restricts pedestrian and animal access, like deer. A switch can be added so the loop can be “turned off”, to allow for increased security. A timer can also be added to control access during certain hours. The loop can be installed in existing concrete, asphalt, exposed aggregate, under paving stones and under compact gravel. (Placement - approx. 20’ from the gate’s open position. The detector comes with a wiring harness to connect to the control panel. The sensitivity of the detector is adjustable to accommodate low (bicycle, garden tractor) or high clearance vehicles.)
6. Exterior Grade Pushbutton: This is a water resistant pushbutton which mounts in a single gang box on a post or column. This will allow for “free” access on or off of the property, by pedestrians. (Wiring requirements – 2 wires- #18 gauge.)
7. Residential Telephone Entry: This system will allow for voice communication using your home telephone system. Anywhere there is a telephone in the home, you will have direct communication with your visitor. A visitor will be identified with a special ring tone. Using the telephone keypad, you can grant or deny access, through the main gate or the pedestrian gate. The unit connects into the existing telephone line or can be on a dedicated line, and can communicate with 2 residences on the property. The telephone entry keypad can be used as a digital entry system – a regular visitor, or maintenance personnel, can be given an entry code to gain access to the property. The homeowner can also grant or deny access, using their cell phone from a remote location. Some units also allow for programming and tracking from your computer. Black and white, or colour cameras are available with most models. The system is typically mounted on a gooseneck stand, which is positioned approx. 20’ in front of the gate. (Wiring requirements – 115 volt power supply and a 20VA plug-in transformer are needed. 2 twisted pairs are needed for the telephone line, which have to be separated from the power supply wire, in separate conduit and a minimum of 12” apart. Wire size – see wiring chart. If used in conjunction with an alarm system, this unit must be added after the alarm system, on the telephone line.)



Exit Devices:

1. **In-Ground Exit Loop:** This consists of an in-ground wire loop, which detects the presence of moving metal on the surface, which signals the gate to open. The loop allows all vehicles to exit the property, but pedestrians will require an additional exit device. The loop can be installed in existing concrete, asphalt, exposed aggregate, under paving stones and under compact gravel. (Placement - approx. 20'– 80' from the gate's open position. The detector comes with a wiring harness to connect to the control panel. Sensitivity in the detector has some adjustment.)
2. **Radio Controls:** Hand held transmitters are used by the homeowners to exit the property.
3. **Exterior Grade Push Button:** Mounted on a post on the interior of the property, allowing pedestrian, or vehicle traffic, to exit.
4. **Digital Entry:** Allows for pedestrians, or vehicles, to exit the property, using a specific code.
5. **Exit probe:** Similar to an in-ground loop but with limitations. Restricted to a 12' radius for detection of moving vehicles.

Safety Devices:

1. **Photocells:** A non-contact safety device that consists of an infra-red beam that spans the opening. If the beam is broken, the gate will stop and reverse. These units are designed for exterior application and are mounted on the posts, or gate columns. They are generally placed approx. 22" above ground level, to be at vehicle bumper height, to protect vehicles, not pedestrians. NOTE: For safety reasons, a pedestrian gate for access is recommended.
2. **In-Ground Safety Loop:** This loop is placed at the end of the gate travel, to protect vehicles that may be in the way of the gate closing.
3. **Contact Safety Edge/Miller Edge:** Are used on sliding gate systems. The edge, when contacted, will stop and reverse the gate. This system is designed to protect vehicles, not pedestrians.

Additional Accessories:

- **SOS: Siren Operated System:** This system is used to open the gate when approached by emergency vehicles, such as Fire Trucks, Ambulance and Police. The system recognizes a "yelp" siren and will open the gate to allow access. The system can be set to "open, time out and close", can stay "open for 15 minutes and then close", or "latch open, until reset".



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To ensure drive-by sirens do not open your gate, the sensor's sensitivity is adjustable.

1. **Warning/Traffic Lights:** Lights can be installed on gate posts or pillars, or traffic lights on auxiliary posts. The lights indicate when it is safe to proceed through the opening. These will assist with traffic flow and provide for increased safety.
2. **Battery Back-Up Systems:** It is included, or can be added, to most gate systems. The system is designed to provide access during a power failure, of a limited duration, based on battery life.
NOTE: Like all battery back-up systems, battery replacement is required, after a certain amount of time.
3. **Solar Power:** Not recommended, or reliable, in this area, unless perfect site conditions are present.
4. **7- Day / 365- Day Timers:** Gate is on a timer and will open/close at a preset time.
5. **Magnetic Lock / Electric Lock:** Used to help secure oversized gate leaves.