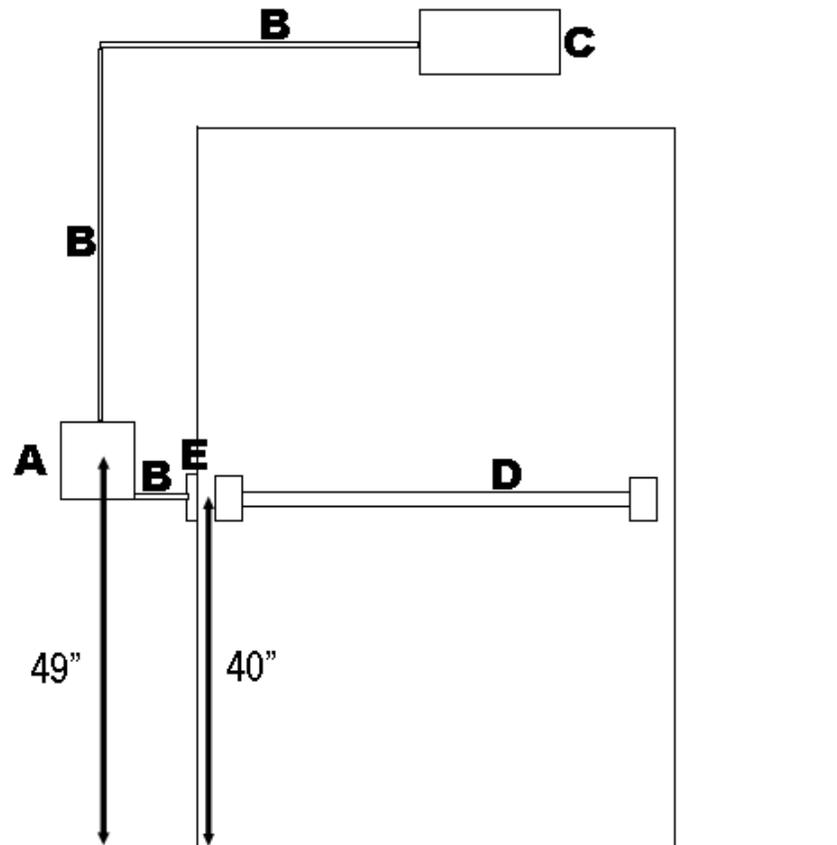




PREWIRING SPECIFICATION FOR PUBLIC GATE



A- Location of card reader. Back mount requires Standard Single Gang Box flush with wall. This mount is 49" from center of single gang box to the ground. Mount gang box inside wall, flush to wall.

B- Electrical conduit

C- 110/120VAC for Public Gate voltage transformer. Triple Gang Box with non conductive cover. 110/120VAC is required for the public gate controller. If mounted outside ceiling and on to the wall, mount box inside wall, flush to wall.

D- Emergency pushbar. This device mounts after the Electric Strike (E). Typically this pushbar is mounted 40" from the top of the door on center. Horizontal adjustment must take place with the electric strike.

E- Electric Strike. Mounted at the center of door frame. Center of door frame is typically 40" from the top.

Standard Power:

Standard 110/120VAC power outlet must be inside the triple gangbox “C”. The installer will plug the adaptor here.

Public Gate Power:

Two 18AWG conductors must be routed from triple gangbox “C” through conduit “B” and ready to terminate at single gangbox “A”.

Electric Strike:

Two 18AWG conductors must be routed from electric strike “E” through conduit “B” and ready to terminate at single gangbox “A”.

NOTE: If you already have an electric strike system and panic bar combination already chosen, you must route and label all wiring from your electric strike to gangbox “A”.

The electric strike if purchased with the Public Gate Controller only comes in a Fail Safe mode. The Public gate controller supports 3 possible modes:

- 1) Fail Safe (Highly Suggested) – The Public Gate Controller will constantly output 12VDC (not available in 24VDC) to hold the electric strike. When a valid card is read, the voltage will be cut off to release the electric strike and allow the door to be pulled open. During an emergency power shutdown the electric strike will release leaving the door permanently open.
- 2) Fail Secure (Not Suggested) – The Public Gate Controller will only supply 12VDC (not available in 24VDC) power to the electric strike for release when a valid card is read. During an emergency power shutdown the electric strike will not be released. Safe exit is by way of pushing the emergency pushbar to open the door.
- 3) Dry Contact Relay mode – The Public Gate Controller will connect two conductors to complete a circuit to activate your system. Do not use this configuration to transfer voltage through the Public Gate Controller’s relay. Very low voltage or 0 Volt ground signals are used in this configuration. This configuration only connects to points together. There is no voltage output. This configuration is generally used to activate your entry system such as a sliding door or a higher voltage system

There are dip switches in the Public Gate Controller for configuring modes. Refer to the Public Gate Technical Manual for more details with pictures.

Power supply mode where pin 2 and pin3 on J2 are always jumped:

- Configuring pin2 and pin3 jumped on J3 - 12volts supplied to terminal 3 and 4 (terminal 3 ground and terminal 4 positive) for 5 seconds
- Configuring pin1 and pin2 jumped on J3 - Go down to 0 volts to terminal 3 and 4 (terminal 3 ground and terminal 4 positive) for 5 seconds then back up to 12volts.

NEVER RECONFIGURE JUMPER J2.

A public gate with a dry contact relay configuration is a special order from BeLine.