APOLLO

GATE OPERATORS

#650 MECHANICAL LOCK

The #650 Mechanical Lock is designed for PUSH TO CLOSE SWING GATE installations. They should open no more than 90 degrees. Attachment to the gate using the lock varies slightly from the instructions outlined in the 1500 manual.

STEP 1.

With the operator retracted, open the gate to no more than 90 degrees. Mark the gate at the point where the actuator meets. The lock should be installed on the gate with the ears of the lock at this position. When mounting the lock, the SPRING should be closest to the hinge end of the gate. Once the lock is mounted, attach the operator to the ears of the lock using a _" x 3" bolt and lock nut. Activate the operator and insure that the gate opens and closes properly.

STEP 2.

Lengthen the sliding portion of the lock to accommodate the length of the gate using 1" square tubing. Weld the square tubing to the square tubing of the lock and support it at the end of the gate using the 1-1/4" square tubing guide provided. The lengthened square tubing should be just short of the end of the gate in most cases. Ensure that the tubing is level and straight so that it will not bind when the lock extends.

STEP 3.

Place a stop plate on the close post of the entrance to physically stop the gate in the closed position. Next, attach the receptacle provided to the close post so that when the lock extends it will enter the receptacle. Note: The receptacle is designed larger than needed to allow for some bounce and misalignment in the gate. Should the lock extend as the gate is closed, tighten the spring slightly. Do not over tighten the spring as this could cause the gate to current sense as the lock extends.

STEP 4.

Adjust the travel of the actuator so that when the gate closes and meets the stop plate the actuator will continue to travel, extending the lock into the receptacle. It is not necessary for the lock to enter the receptacle vary far. Once it has entered, any pressure applied to open the gate will only make it enter further.

HINTS:

The above mounting procedures work well with most gates. Longer gates, tending to bounce more as they close, will require some modifications. Making the square tubing bar of the lock longer, so that it extends past the end of the gate, is one idea. When this is done, the lock bar will just barely miss hitting the receptacle when the gate closes. This will cause the lock bar to immediately enter the receptacle if the gate bounces.