Lift Master.

A WARNING

To avoid SERIOUS personal INJURY or DEATH from electrocution, disconnect electrical power to operator BEFORE proceeding.

The Sequenced Access Management System or SAMS allows more control when managing vehicular entrances to areas such as apartment complexes, businesses, gated communities and parking lots. The basic concept of the system is that there are two gate operator systems installed in tandem, a fast moving gate such as a barrier gate operator and a slower moving more secure or ornamental gate system balances the demands of speed during high traffic periods with security during low traffic periods. Barrier gate operators have the fastest opening times of many gate operator types and slide, swing or vertical pivot gates allow you to effectively seal off the perimeter of the complex that you are planning to secure (Figure 1).

Our Mega Series barrier gate operators have the SAMS functionality and the ability to communicate and work in tandem with a slide, swing or vertical pivot gate. Additionally, this SAMS system is compatible with roll up or overhead operators and can also be used with motorized traffic teeth. This is made possible as any of our Mega Series barrier gate operators monitor the full open position of the gate, roll up or overhead operator or monitor the down position of the motorized traffic teeth and raise the barrier arm once fully open.

OPERATION

NOTE: Any of the Mega Series Barrier Gate Operators will work the same way. The MEGA ARM has been selected as the example for these instructions.

A one second pulse from access control device to the MEGA ARM will energize its K1 relay sending an open signal to the second operator causing it to open, however, the MEGA ARM's boom will not raise yet. When the second operator reaches its full open limit switch, this will open the COMMON and NORMALLY CLOSED contact on the EXTRA open limit switch. This will allow the original signal from your access control device (that was stored in memory) to now raise the gate arm. As long as the second operator is in the full open position, any additional open pulse sent will in turn energize the MEGA ARM's K1 relay to send another open signal to the second operator as well as cause the arm to raise again if it has closed via a car crossing the MEGA ARM's close loop.

SEQUENCED ACCESS MANAGEMENT SYSTEM (SAMS)

Model SAMS KIT



SAMS KIT - PARTS LIST	
DESCRIPTION	QTY
K1 Relay	1
Auxiliary Limit Switch	1

INSTALLATION

NOTE: Most units will require that this EXTRA limit switch be added to their open limit switch assembly.

- 1. Install the K1 relay onto the control board of the Mega Arm operator.
- 2. **Auxiliary switch mounting:** Remove (2) pan head screws securing OPEN switch and discard. Mount auxiliary OPEN switch on top of existing OPEN switch with (2) pan head screws provided (Figures 3 & 4).
- 3. Run two wires from the second operator's isolated common and normally closed contacts of auxiliary open limit switch (provided with kit) to the MEGA ARM J5 #8 and one of the commons J5 #9-12.
- Run two wires from the MEGA ARM's K1 relay (common and normally open) to the second operator's common and open input. J5 #8 was the unused SHADOW LOOP input on the MEGA ARM.

NOTES:

- To avoid damage to relay, do not exceed a maximum of 30V at .5 amps through relay.
- A separate open device (24 hour timer, toggle switch) can be run to the second operator to control it without raising the gate arm. Tampering with the second operator's safety loops, safety edges and reverse sensors WILL NOT cause the arm to raise if one tripped. The arm will only raise if an intended open signal was sent to the MEGA ARM.
- For motorized teeth, vertical pivot or overhead operator, leave S1-6, S1-8 OFF (this will keep the K1 relay latched down until the arm reaches the down position. This will keep the second gate operator locked open or teeth locked down until the arm closes completely). In this mode, if the arm senses an impact, the K1 relay will stay energized holding open (or teeth down) the second operator until the arm times out and closes.

SEQUENCED ACCESS MANAGEMENT OF TWO MEGA ARM BARRIERS

(REQUIRES THE OPTIONAL SAMS KIT)

NOTE: (5.20 or greater) can be used when you have two entry gates that you want sequence with each other. This is when you can only have ONE gate raised at a time (bottle neck or gates at a cross street). In this case, which ever one raises first will get first priority, while if the other gets an open signal, it will be HELD IN MEMORY, then raise once the first gate closes. This will work if either gate has a telephone entry unit or access device (AVI, prox, etc.).

Connect the K1 relay C and N.O. of each gate to the SHADOW LOOP J5 #8 input and common of the other (Figure 2). (Leave S1-6 and 8 OFF to allow relay to stay latched.) The auxiliary open limit switch will not be used in this installation.

FIGURE 3 Model CSW200



FIGURE 4 Model SL3000

