

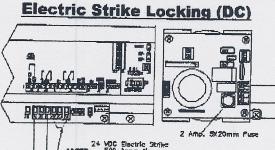
# **TECHNICAL** BULLETIN

From the office of Mike White

DATE: 3-19-07

NUMBER: TB-07-003

6100 / 8100 Common Locking Options



Lock Type:

24VDC Electric Strike (by others)

Lock Operation:

Fail Secure - Always Locked

Lock Current:

.500 Amps or less

6100 / 8100 Operator Display / FPC902 Screen Settings:

Lock Function:

"3 Always Locked"

Lock Type:

"1 Standard"

Mechanical Panel:

"7 3 Pos. (OFF-M)"

Description of Operation:

The door will be unlocked when an activation signal is applied to 1&2 or 1&7 The operator will pulse the door closed to release any binding in the strike Power to the strike will then occur and unlock to allow a door open cycle Once the door closes the operator will drive the door in the closed direction to overcome any mechanical binding in the lock and/or door frame

Note: For applications where the door is to be unlocked during the day for normal automation and locked when the on/off/hold switch is in the off position, the following settings are required.

Lock Function:

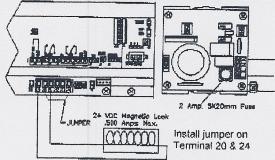
"1 Night Locked"

Mechanical Panel:

"9 3 POS. (Lock-M)"

Install jumper on Terminal 22 & 24

#### Magnetic lock (Mag Lock) Locking



Lock Type:

24VDC Magnetic Lock (by others)

Lock Operation:

Fail Safe - Always Locked (If power is applied to door)

Lock Current:

.500 Amps or less

6100 / 8100 Operator Display / FPC902 Screen Settings:

Lock Function:

'3 Always Locked"

Lock Type:

"6 Magnet"

Mechanical Panel:

"7 3 Pos. (OFF-M)"

Description of Operation:

The door will be unlocked when an activation signal is applied to 1&2 or1&7 Power to the lock will be removed and unlock to allow a door open cycle

Note: For applications where the door is to be unlocked during the day for normal automation and locked when the on/off/hold switch is in the off position, the following settings are required.

Lock Function:

"1 Night Locked"

Mechanical Panel:

"9 3 POS. (Lock-M)"

Caution! The maximum current draw for accessories such as electric lock or sensor systems is .500 amps, do not attempt to power both systems from this power supply at the same time.

Additional locking functions such as Bolt locking with bolt position monitoring as shown on the 6100/8100 wiring diagram and "Pulsed" AC electric strike are also possible. For more information please contact record-usa.

#### record-usa

Post Office Box 3099 Monroe NC 28110-3099



# TECHNICAL BULLETIN

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### 6400 / 8400 Commun Locidny Options

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Lock Type.

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#### **UPDATING THE FPC902 TERMINAL**

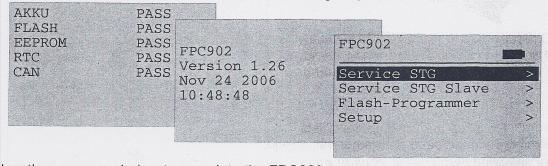
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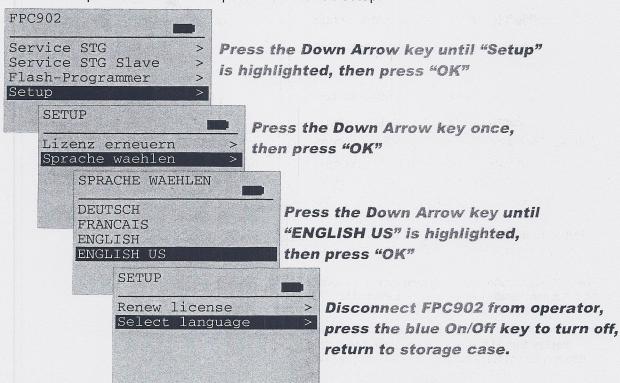
- 1. Remove the SD card from the FPC902 by pushing it into the unit until a click occurs (approx. 1/16").
- 2. Release the card, it should protrude from the terminal approximately 1/8".
- 3. Remove the SD card and insert in the reader attached to the computer.
- 4. A window should appear with two folders RecordFPC and RecordSW.
- 5. Click and drag the two folders on the desktop with the same name into the window.
- 6. If asked to replace files with same names, click yes.
- 7. When complete, remove SD card and re-install in FPC902; again push into unit until a click is heard, then release. The top of the card should be flush with top of terminal.
- 8. Connect the FPC902 to either a powered Series 5100 module or a Series 8000 operator.
- 9. The screen should display

	AKKU	PASS
then	FLASH	PASS
then	UPDATE1	★ (animated)
then	UPDATE2	* (animated)
then	UPDATE3	* (animated)

10. The FPC902 screen should then display the following sequence



11. Follow the sequence below to complete the FPC902 setup:



#### WENTLING THE PPCSSCTERMINAL





Remove the SD card from the FPC902 by pushing it into the unicuous a diet occurs (approxic 1/16').

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Signification about display

10. The RPC902 screen should then display the inflowing sequence

The figure sequence below to complete the FFCSU2 setup.

Proces the theen Amow key until "Solup" is highlighted, then proks "OK"

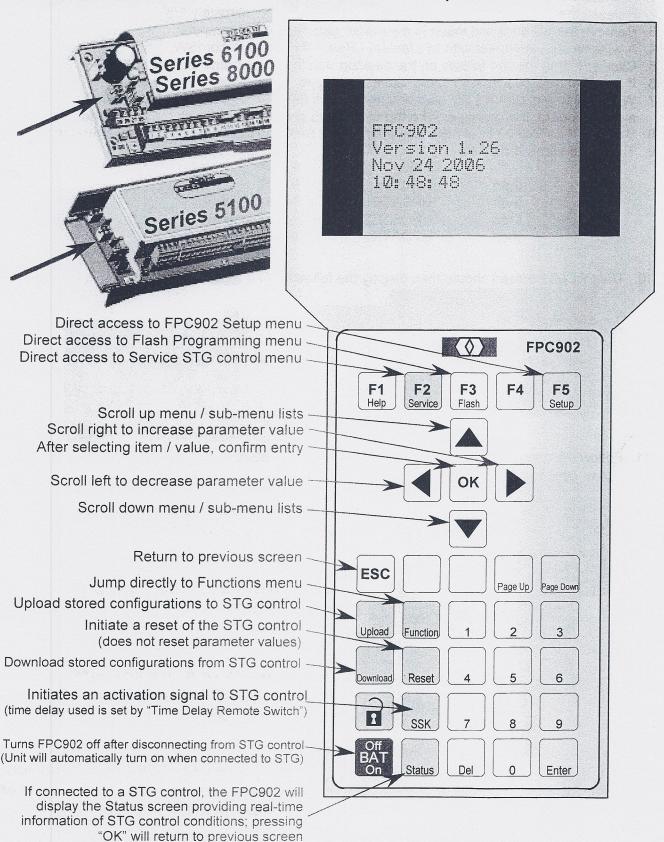
Press the Down Amow key once; then press \*OX\*

Prais the Bowe Arrow key anti-SNOLISM UST is alphilighted.

Discourse: PPC962 fr<mark>om aperator,</mark> press the Stee CHCOF key to turn aff,

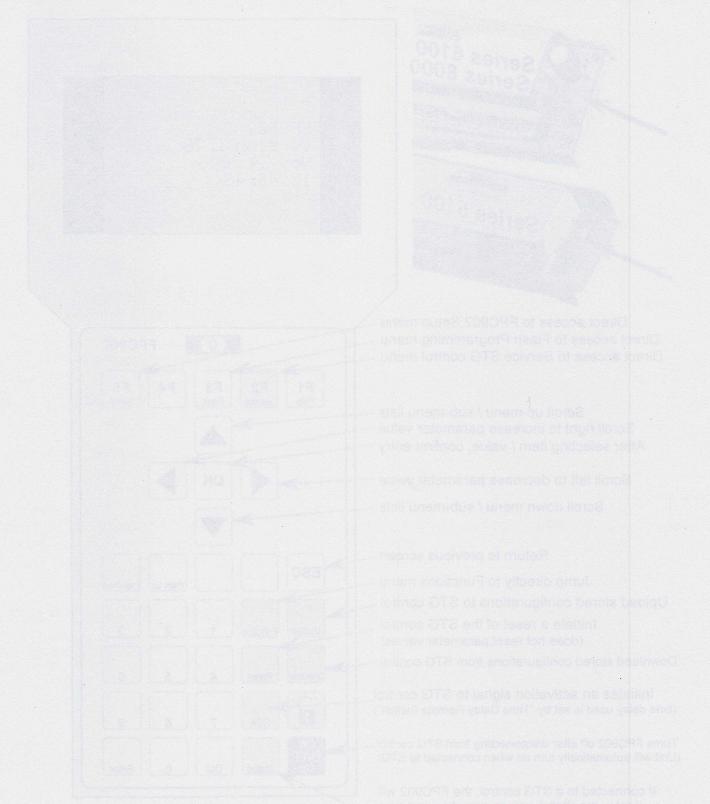


The FPC902 Terminal will connect to Series 5100, 6100 & 8000 systems and is used to program, configure, update, and service the microprocessor control.





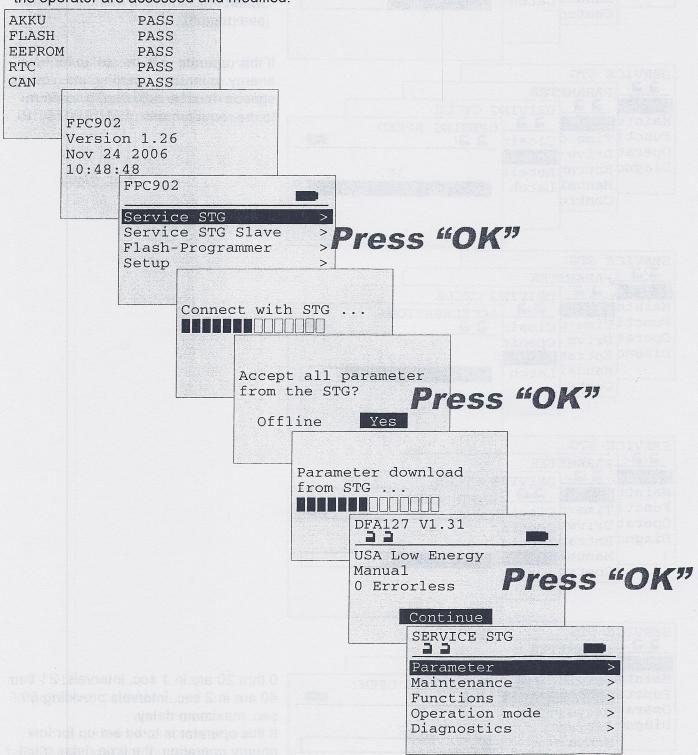
The PCS02 Terminal will connect to Saries 3100, 6100 & 3000 systems and is used so program, configure, update, and service the motophycesser control.



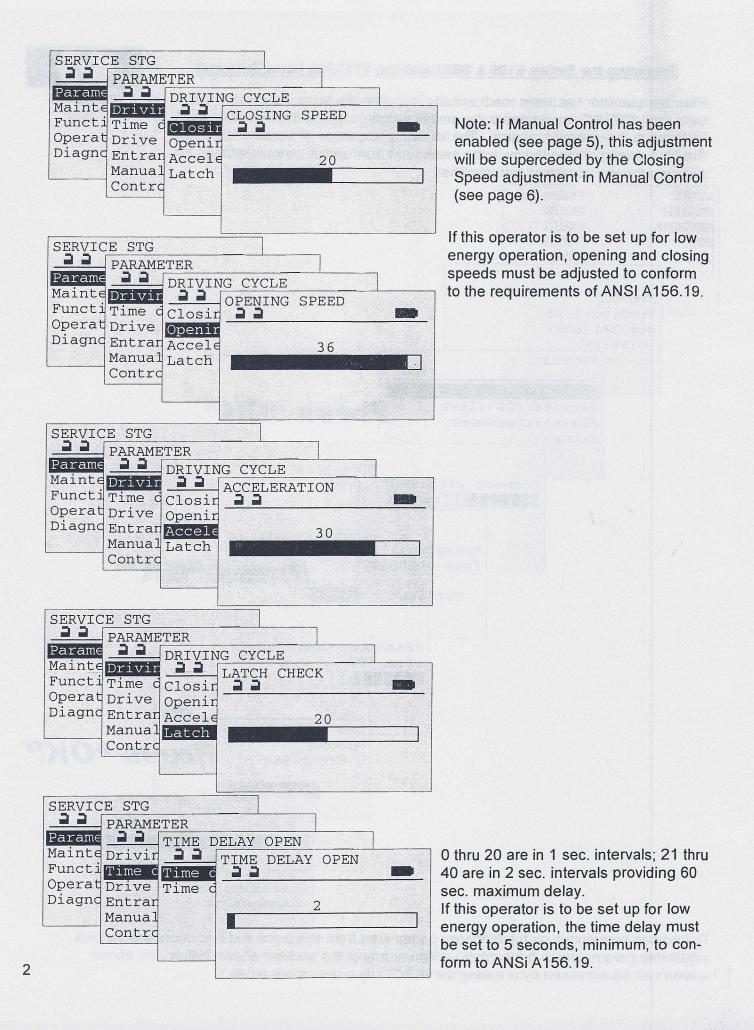
#### Servicing the Series 6100 & 8000 with the FPC-902 Hand Terminal

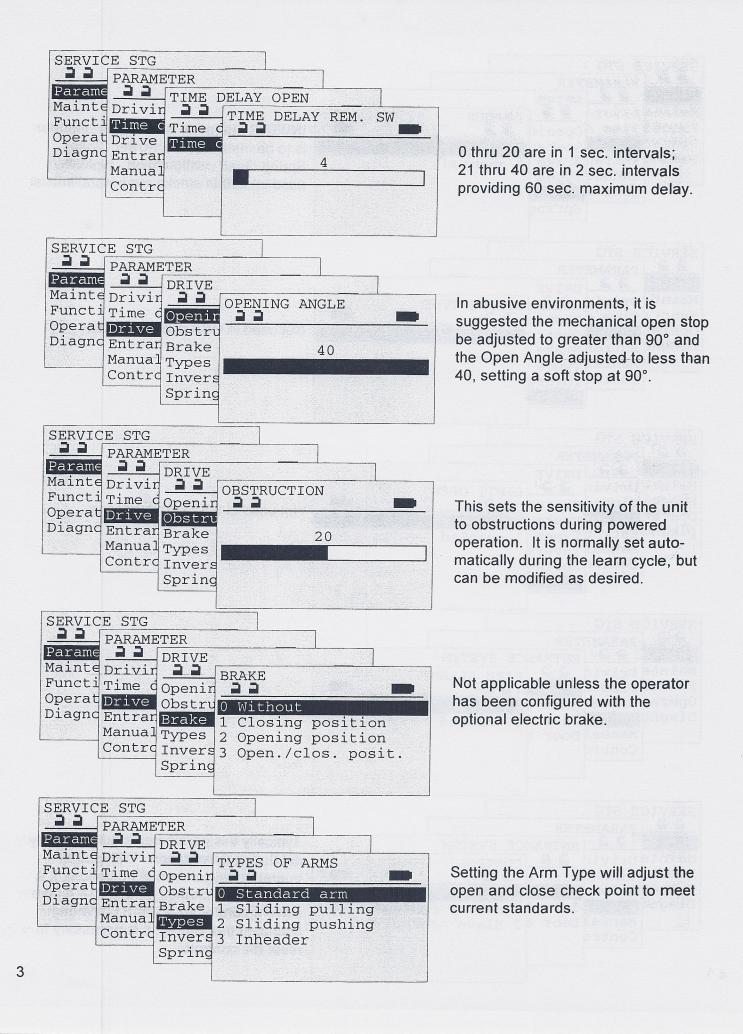


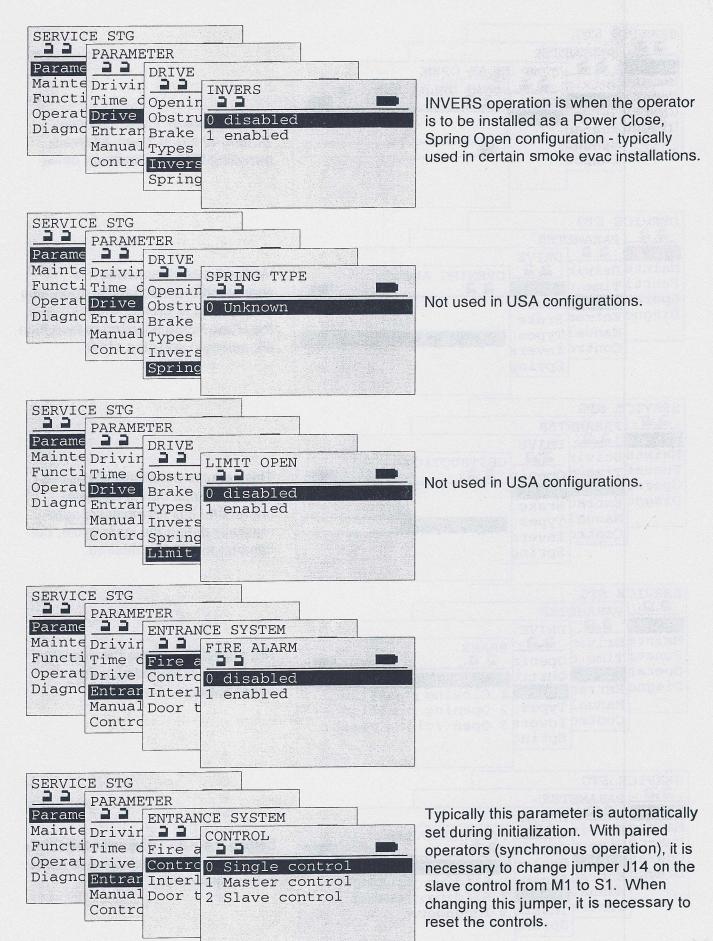
After the operator has been mechanically installed, the arms attached to the door, and 120VAC connected to the power supply, connect the FPC902 Hand Terminal to the operator control. The following sequence of screens will occur. The final screen shown below is the base point from which various settings for the operator are accessed and modified.

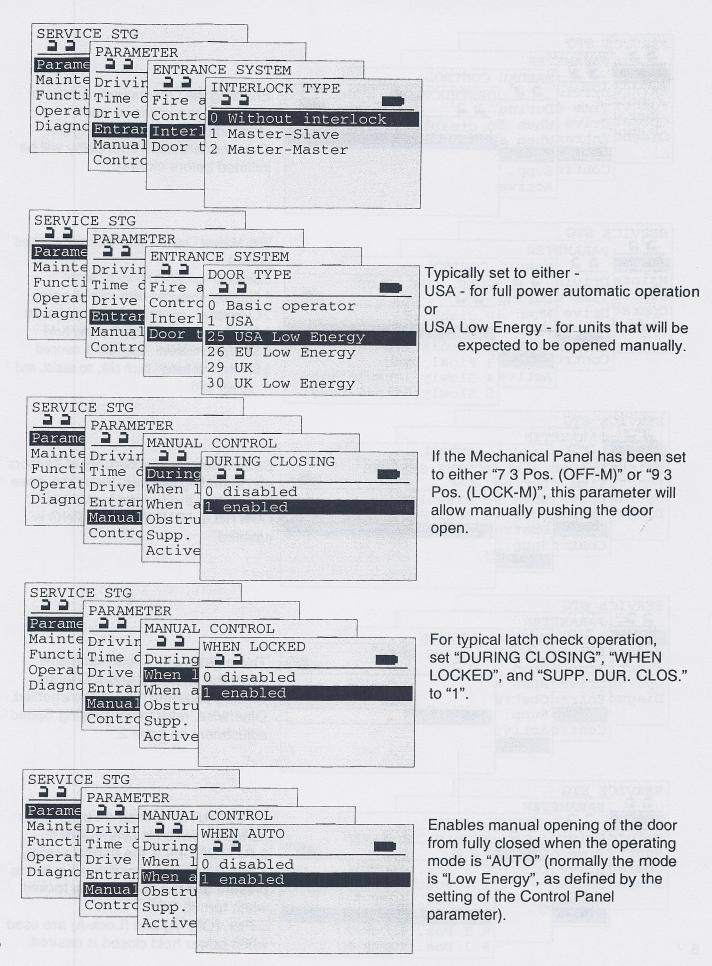


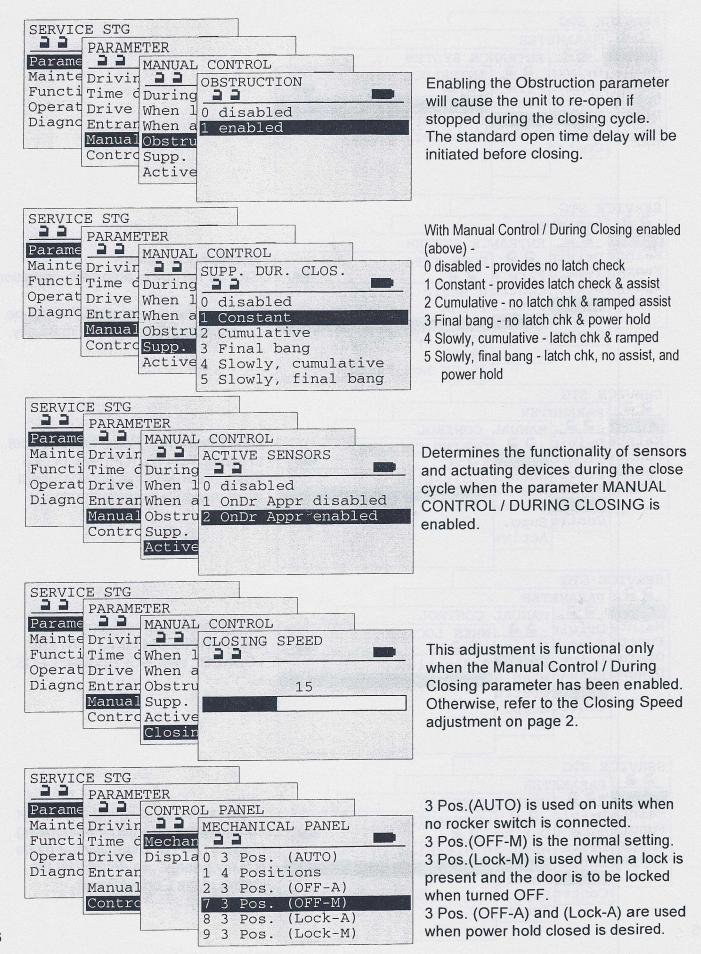
The screen sequences on the following pages start from this point and document the various adjustable parameters in the control. When at any of the screens shown below, the above screen can be accessed by pressing the "ESC" key one or more times.

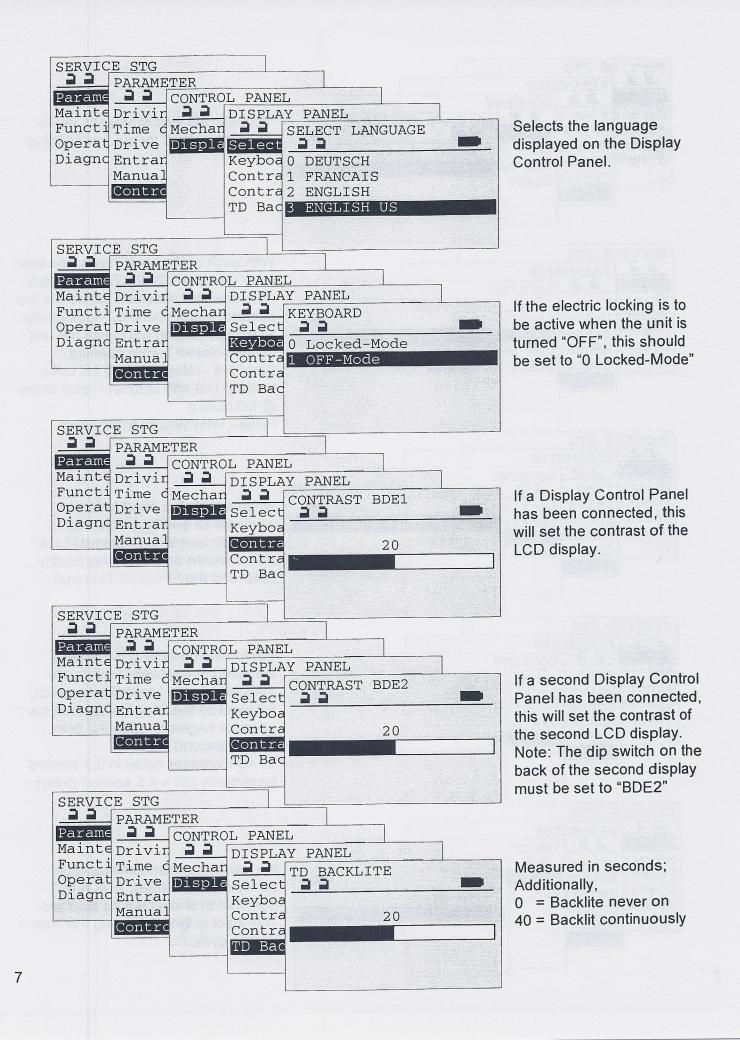


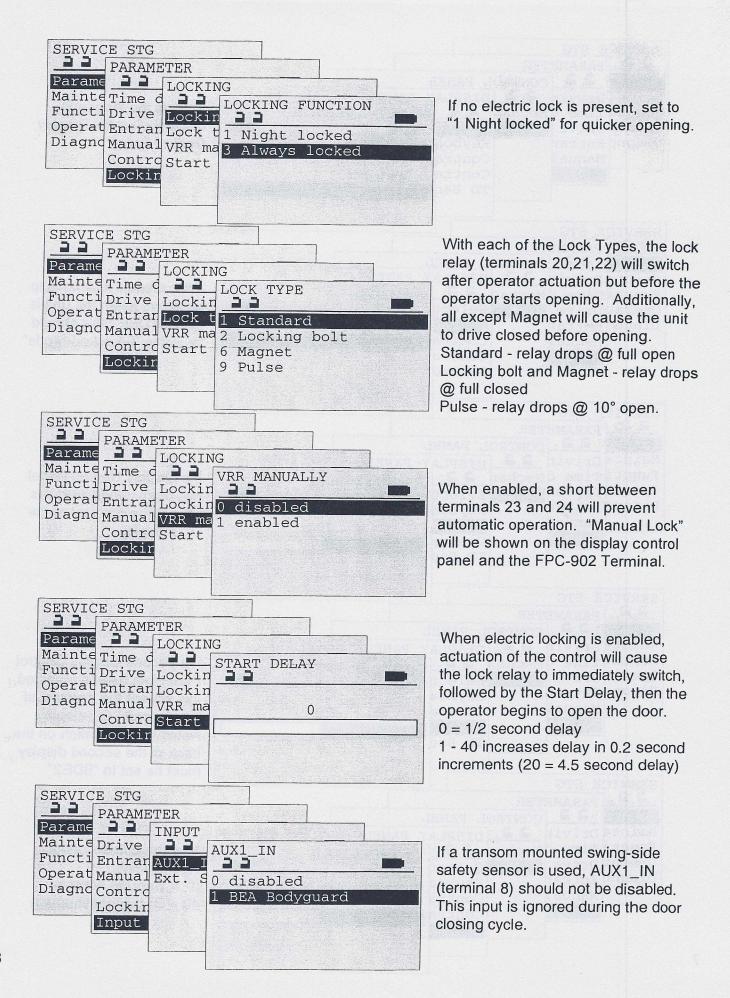


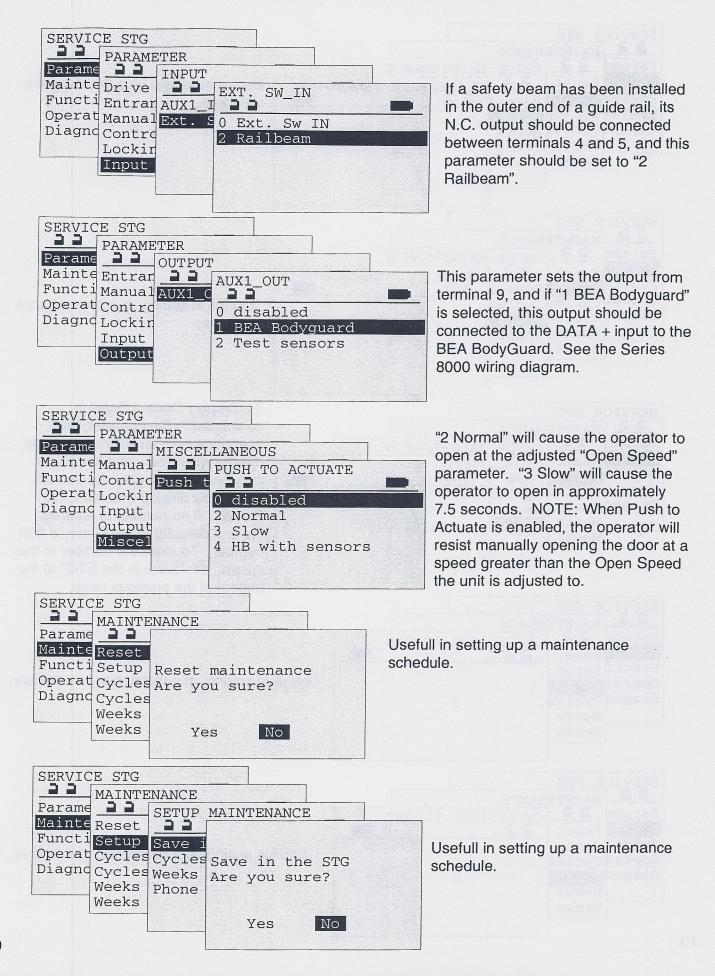


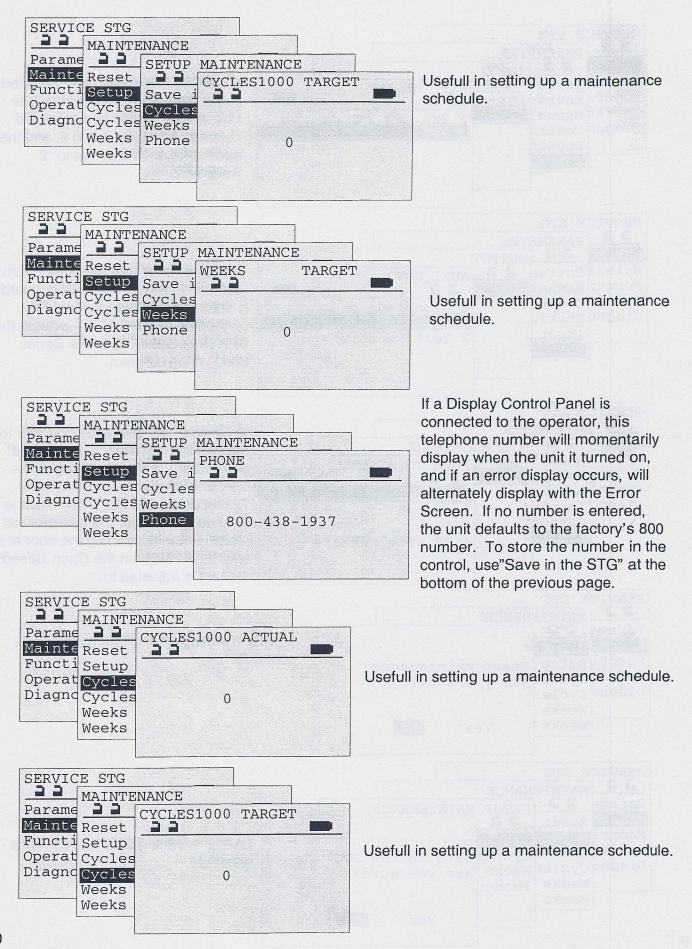


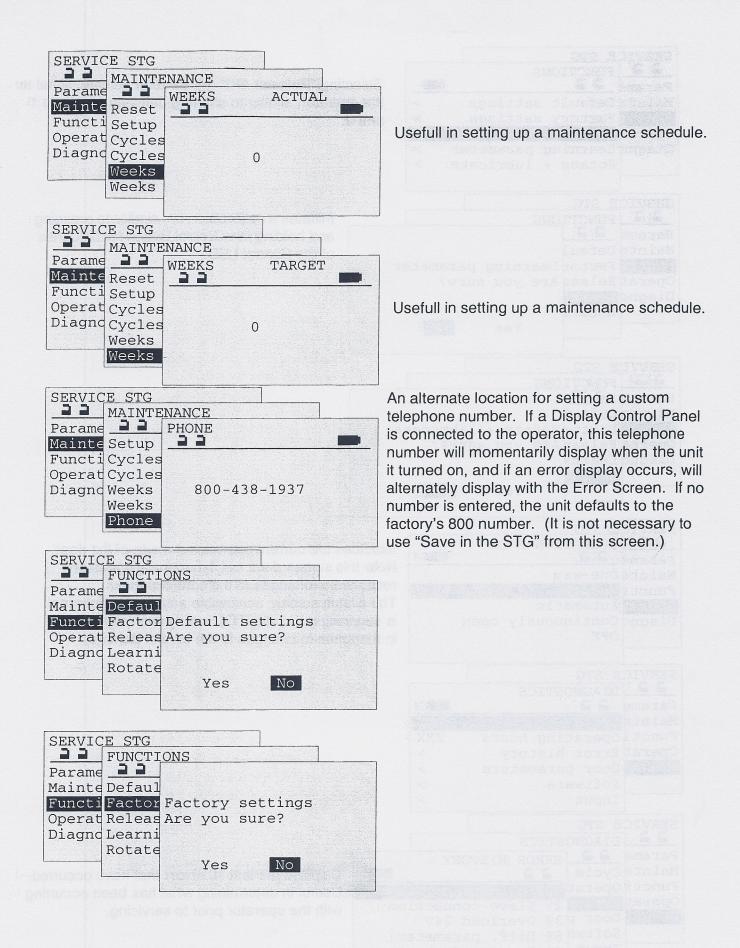


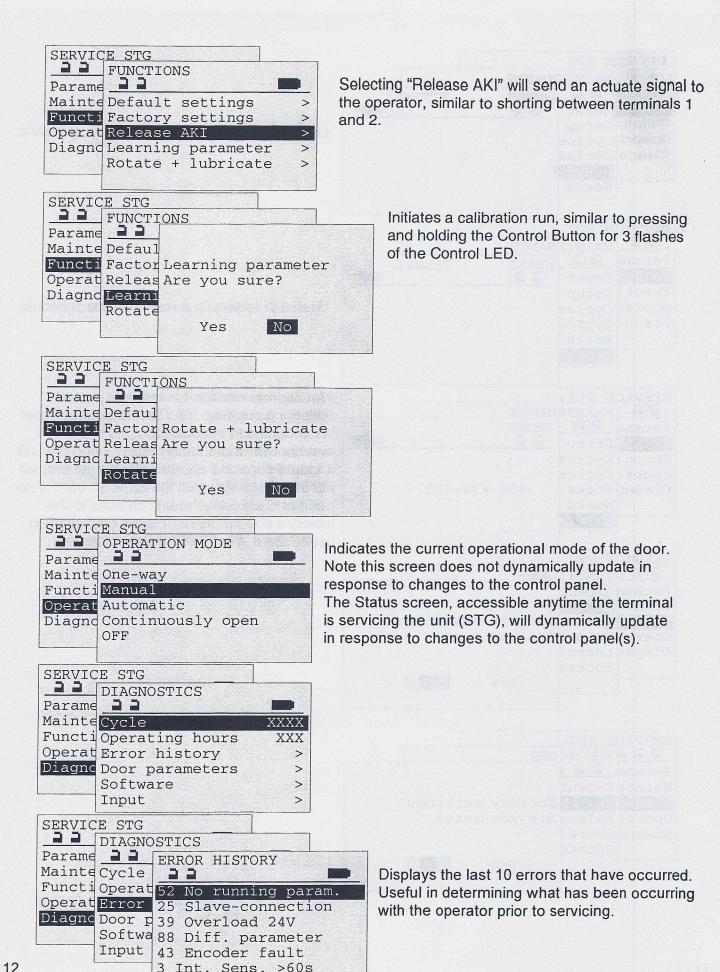


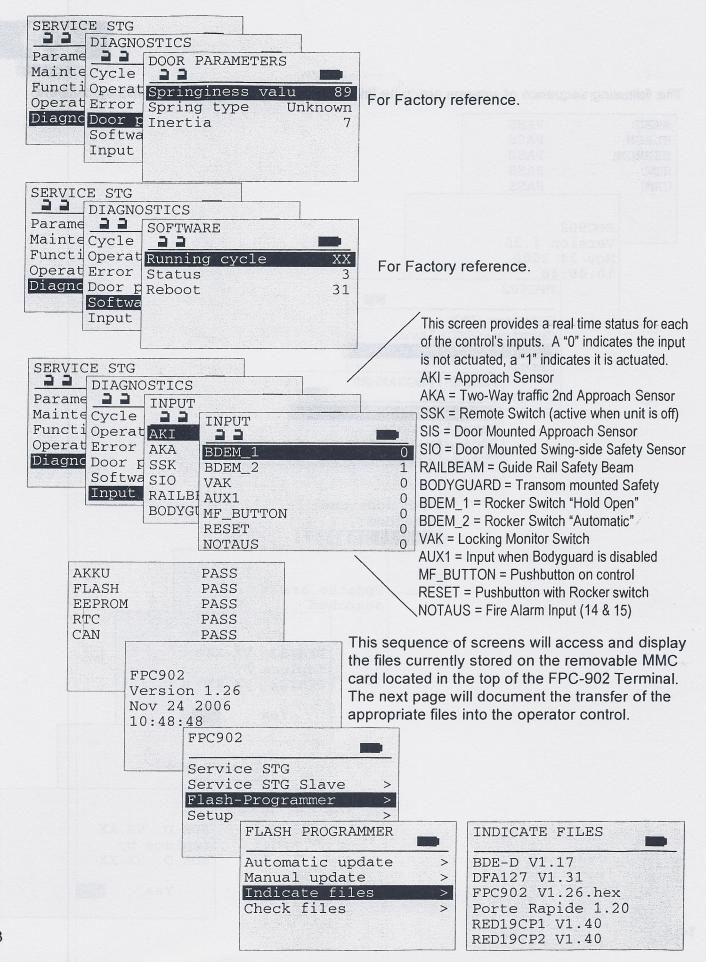






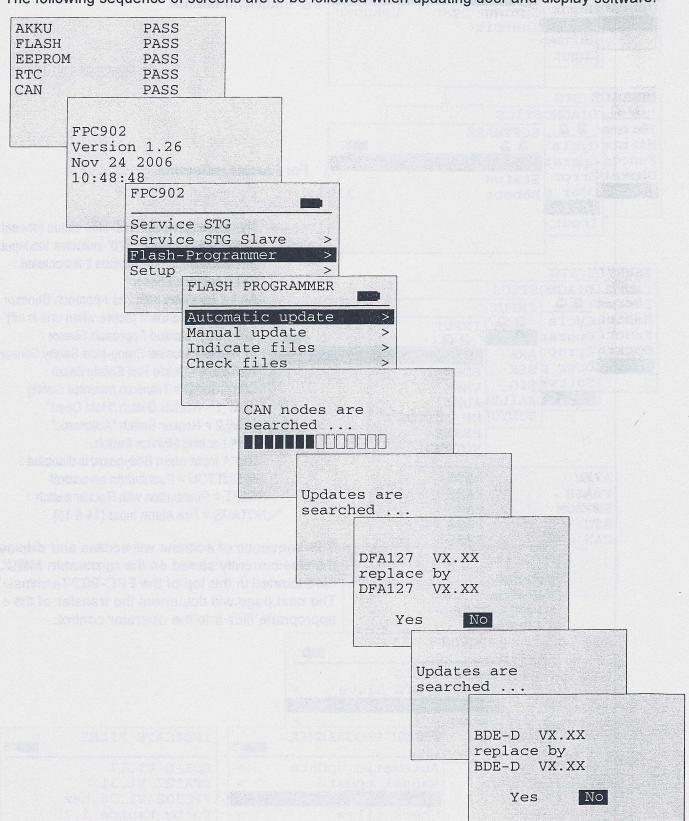


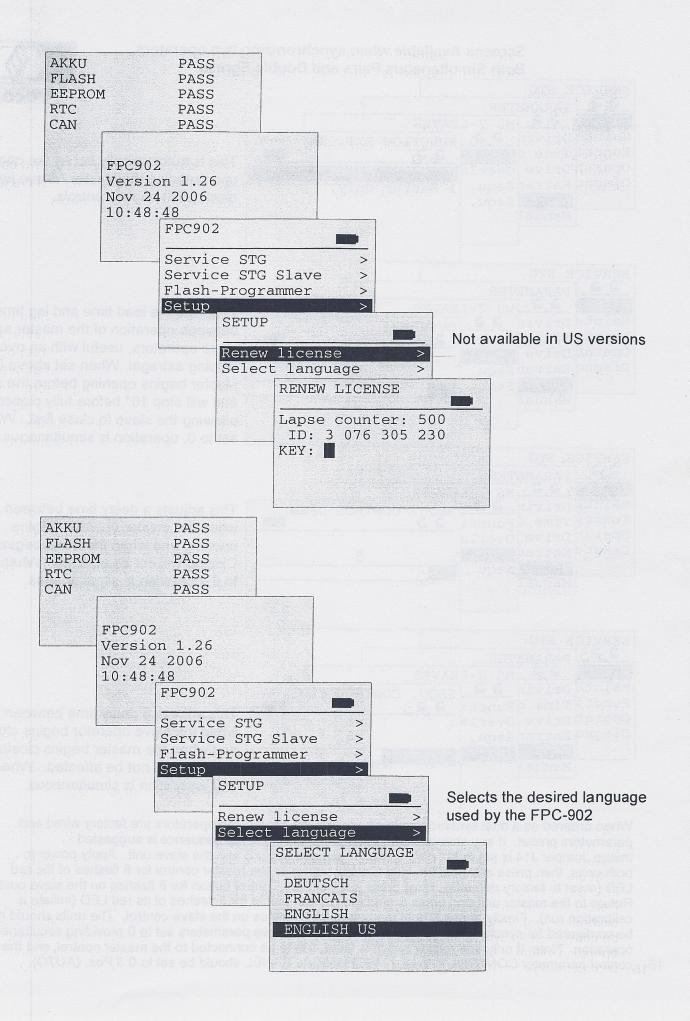






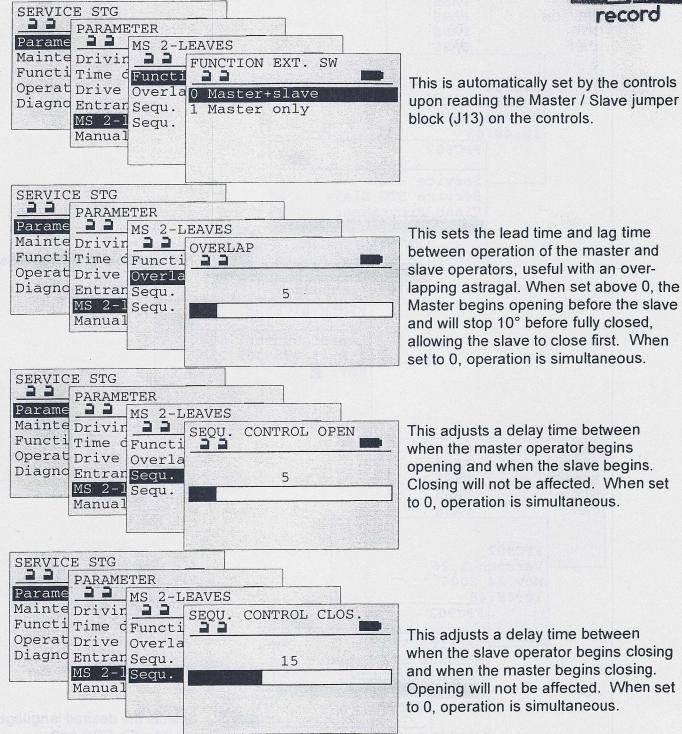
The following sequence of screens are to be followed when updating door and display software.





## Screens Available when synchronizing two operators Both Simultaneous Pairs and Double Egress





When ordered as a dual synchronized pair or a double egress, the operators are factory wired and parameters preset. If any changes are made, the following setup sequence is suggested - Insure Jumper J14 is set to M1 on the master unit and set to S1 on the slave unit. Apply power to both units, then press and hold the blue Control button on the master control for 8 flashes of the red LED (reset to factory defaults). Next press and hold the Control button for 8 flashes on the slave control. Return to the master unit and press & hold the Control button for 3 flashes of its red LED (initiate a calibration run). Finally, press & hold the button for 3 flashes on the slave control. The units should now be configured for synchronous operation, and with the above parameters set to 0 providing simultaneous operation. Note: If only one rocker switch is used, it is to be connected to the master control, and the slave control parameter CONTROL PANEL / MECHANICAL PANEL should be set to 0 3 Pos. (AUTO).



## **TECHNICAL** BULLETIN

From the office of: Mike White

DATE: 4-27-07 NUMBER: TB-07-004

## Setting up 6100/8100 Dual Simultaneous from two singles

Caution: Proper working knowledge of the 6100/8100, F PC 902, Hand held Display, and appropriate ANSI Standard is required when setting up this and all configurations.

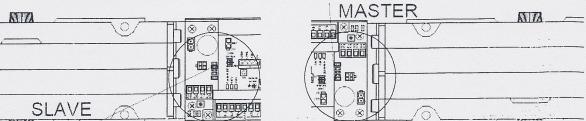
Determine size and order backplate, cover, and arms for opening.

Step 1.

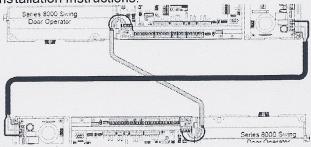
Confirm operators being used have same date software and update if required. Step 2. Check for correct handing locate and mount operators and power supply onto backplate. Step 3.

(use cover to assist w/output shaft location)

Set Jumpers on Left Hand operator for Slave and Right Hand operator for Master as Step 4. shown below and on page 21 of installation manual.



Wire Master to Slave power and communication connections as shown below and on Step 5. page 22 of installation instructions



- Install arms and set door open stops. Step 6.
- Apply power to the dual and do the following sequence. Step 7.
  - 1. Press and hold control button on Master for 8 flashes
  - 2. Press and hold control button on Slave for 8 flashes
  - 3. Press and hold control button on Master for 3 flashes (operator will calibrate)
  - 4. Press and hold control button on Slave for 3 flashes (operator will calibrate)
  - 5. With hand held display or FPC 902 Set "Mechanical Panel" in Slave operator to "0" for 3 pos. (Auto), this setting is in "Service STG Slave-Parameters-Control Panel-Mechanical Panel".
  - 6. With hand held display or FPC 902 go to "Parameters-MS 2-Leaves and set the "Overlap", "Sequ. Control Open", and "Seq. Control Clos." To "0" for simultaneous operation.
- Set time delay as required for particular application. Step 8.

Note: 1. If door mounted sensors are being used, the sensors must be connected to the operator/control of that door panel, i.e. Slave operator/control or Master operator/control.

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# TECHNICAL BULLETIN

From the office of MIKE Winte

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## Setting up 6100/8100 Dual Simultaneous from two singles

Sauhoit Proper wording knowledge of the 6100/8160. F.PC 903, Hand held Display, and appropriate ANSI Standard is

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Step 1. Determine size and order backplate, cover, and arms for opening.

Step 2. Confirm operators being used have serine date software and update if required.

Step 3. Check for correct handling locale and mount operators and power supply onto backplate

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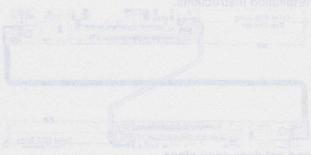
Step 4. Set Jumpers on Left Hand oparator for Stave and Right Hand oper afor for Master as

shown below and on page 21 of installed on manual



Wire Master to Slave power and continunication connections as shown hellow and of

page 22 of instalkation instructions.



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FIRS and note control button on transfer for a families (operator with particles)

4. Press and hold control button on Sieve for 3 flashes (operator will calibrate)

With hand held display or FPC 902 Set "Mechanical Panel" in Stave operator to "0" for 3 pos. (Auto), this setting is in "Service STG Slave-Parameters-Control Panel.
 Machanical Panel"

 With hand held display or EPC 902 go to "Fersimeters-MS 2-Leaves and set the "Overlap", "Sequ. Centrol Open", and "Seq. Control Clas." To "0" for simultaneous operation.

Step 5. Set time delay as required for particular application

Note: 1. If door mounted sensors are being used, the sensors must be connected to the operator/control of that door panel, i.e. Stave operator/control or Master operator/control

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