NOTES:

1. NB. make sure that the correct PIC micro-controllers are fitted to the CP77 controller (See table1) this table may be revised from time to time.

2. If the system has separate “OPEN” and “CLOSED” limit switches then use 77MV8.04 and 77SV8.01 pic’s otherwise for “SINGLE” limit switch systems 77mv8.13 and 77sv8.13 must be used. (Connect limit switches to MLO & SLO for “Single” Limit switch)

3. Signal common terminals denoted “C” on the CP77 are identical. (Either terminal, or both can be used)

4. For auto-close to work on CP77 card link between 5 and common can be fitted, or, select SW1 on.

5. MLC and SLC used only if separate “OPEN” and “CLOSED” limits are available. See also Note 2.

6. For use with solenoid, if connecting to a maglock use CP106 relay.

7. Fit a latching contact (Toggle switch) between “COM” and “LOCK OUT” to use holiday lock feature.

8. Fit a N/O contact between “COM” and “Free Exit” to use free exit feature.

9. Fit a N/O contact between “COM” and “PI LLAR LIGHT” to operate the light without opening the gate.

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PIC MICRO-CONTROLLER

(* NOTE 1)

<table>
<thead>
<tr>
<th>VERSION</th>
<th>USED ON SYSTEM WITH</th>
</tr>
</thead>
<tbody>
<tr>
<td>77MV8.04</td>
<td>Separate “open” and “closed” limit switches. (Master motor) see note 2</td>
</tr>
<tr>
<td>77SV8.01</td>
<td>Separate “open” and “closed” limit switches. (Slave motor) see note 2</td>
</tr>
<tr>
<td>77MV8.13</td>
<td>Single limit switch (Master). CP3-iii direct replacement</td>
</tr>
<tr>
<td>77SV8.13</td>
<td>Single limit switch (Slave). CP3-iii direct replacement</td>
</tr>
</tbody>
</table>

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CONTROL CARD SETUP / CP77

GATE STATUS LED (RED)

1 2 3 4

SWITCH NO

 NB: REMOVE POWER WHEN CHANGING SWITCHES

DESCRIPTION OF OPERATION (MODE)

1 0 0 0 0 SINGLE MOTOR SYSTEM WITHOUT AUTOCLOSE
0 0 0 0 1 DOUBLE MOTOR SYSTEM WITHOUT AUTOCLOSE
1 0 0 0 1 SINGLE MOTOR SYSTEM WITH AUTOCLOSE
0 0 0 1 1 DOUBLE MOTOR SYSTEM WITH AUTOCLOSE
0 1 0 0 0 CONDOMINIUM MODE (SINGLE MOTOR)
0 1 0 1 1 PIRAC MODE (SINGLE MOTOR)
1 0 0 0 0 CONDOMINIUM MODE (DOUBLE MOTOR)
1 1 0 1 1 PIRAC MODE (DOUBLE MOTOR)
0 0 1 0 0 LINEAR MOTOR(S) WITHOUT AUTOCLOSE SINGLE & DOUBLE
1 0 1 0 0 LINEAR MOTOR(S) WITH AUTOCLOSE

CP77

LED GATE STATUS
LED OFF GATE CLOSED
LED ON GATE OPEN
FAST FLASH CLOSING
SLOW FLASH OPENING
2 FLASH/2 SECS MAINS FAILURE
3 FLASH/2 SECS BATTERY LOW

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DRAWING NAME: WIRING DIAGRAM FOR CP77 CONTROLLER

DATE: 2006,10,03

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