TERMINAL BOARD CONNECTIONS
For D752M Control Box

1 – 2	110 V AC 50 Hz Power Supply
3 – 4	110 V 50 W Max. FLASHING OUTPUT. The signal supplied is already modulated for direct use. Flashing frequency increases slightly in closing phase.
5 – 6 – 7	110 V Max 300 W single-phase M1 output. Common – 6, opening – 5, closing - 7. Connect capacitor between terminals 5 and 7. Motor set for pedestrian use.
8 – 9 – 10	110 V Max 300 W single-phase M2 output. Common – 9, opening – 8, closing - 10. Connect capacitor between terminals 8 and 10.
11 – 12	12 V AC 15 W ELECTRIC LOCK output.
13 – 14	24 V AC 10 W output for powering PHOTO CELLS, RECEIVERS, etc.
15 – 16	24 V AC 3 W output for GATE OPEN INDICATOR, the indicator lights up when gate is FULLY opened and turns off as soon as gate start to close.
17 – 20	OPEN/CLOSE push button input **(normally open).** 20 – common. Dip switches 2, 3 & 6 determines mode of operation.
18 – 20	PEDESTRIAN push button input **(normally open).** This function is identical to that of 17 – 20 (20 common) but is limited to M1 only. When activated M1 operates only for half travel time opening.
19 – 20	STOP push button input **(normally closed).** When activated, the gate movement stops. The gate opens automatically when reactivated. 20 – common.
21 – 23	PHOTO ELECTRICS or OTHER SAFETY devices **(normally closed).** When these devices are activated (only in closing phase) the gate will stop and then fully open. 23 – common.
22 – 23	PHOTO ELECTRICS or OTHER SAFETY devices **(normally closed).** When these devices are activated, during opening phase the gate stops temporarily until obstacle is removed. When closing, the gate will stop and then fully open. 23 – common.
24 – 26	LIMIT SWITCH OPENING **(normally closed)** 26 – common.
25 – 26	LIMIT SWITCH CLOSING **(normally closed)** 26 – common.
27 – 28	AERIAL 28 – wire 29 – shielded.
29 – 30	2nd radio channel output (see J1 alternative application).
C	Connector plug for radio receiver.

- ALL **NORMALLY CLOSED** CONTACTS MUST BE BRIDGED IF NOT USED.
- THE UNIT MUST BE EARTHED.

LOGIC ADJUSTMENTS – TRIMMERS.

T.L.	Operation Time Adjustment – from 0 to 45 seconds.
T.C.A.	Automatic Closure Time – from 0 to 120 seconds. (see Dip switch #6)
R.C.M.	Motor Torque Adjustment
T.S.A.	Gate Time Difference adjustment – from 0 to 25 seconds. (see Dip switch #1)

DIP SWITCH ADJUSTMENTS

1. ON   In the closing phase, it enables delay of gate associated with M1 (trimmer T.S.A.). In the opening phase, the same gate is delayed by a fixed 1.5 seconds.
   OFF   Gate difference (in closing) not enabled.

2. ON   When the gate is in operation, a series of open/close commands activates the gate in the following sequence: OPEN – CLOSE – OPEN – CLOSE – OPEN, etc
   OFF   When the gate is in operation, a series of open/close commands activates the gate in the following sequence: OPEN – STOP - CLOSE – STOP - OPEN – STOP – CLOSE – STOP – OPEN – STOP, etc

3. ON   You can reverse direction both ways as per dip switch 2.
   OFF   You can reverse direction only when gate in closing.

4. ON   The gate opens normally when command to do so.
   OFF   When the command to open is given, the gate will close first to facilitate the release of the electric lock and then open.

5. ON   With the pedestrian function, gate work time is that set by timer T.L.
   OFF   With the pedestrian function, gate work time is that set for 7 seconds.

6. ON   When fully open, the gate will close automatically after time set by T.C.A. trimmer.
   OFF   The gate will not close automatically.

JUMPER J1

By short-circuiting (soldering) terminal A1 with A2 and B1 with B2, an internal circuit is created which enables the use of a second channel to open gate for pedestrian access. (two channels receiver is required).

FOR ANY FURTHER INFORMATION PLEASE CONTACT OUR TECHNICIANS ON 305-691-7711