

NOTE: USE 8V & 8V FOR TRANSFORMER VOLTAGE

Setting the Dip Switch

The dip switch on the control panel operates as following:

- | | |
|------------------|---|
| [1] ON | = Delay Close for motor A |
| [2] ON | = Small Reverse before opening |
| [3] & [4] OFF | = Light Relay on when gate open & cut off 1 min. after gate close |
| [5] ON | = Single Gate Operation Only for Push Switch |
| [6] OFF | = Not in use |
| [7] & [8] OFF | = Disable Auto Close |
| [7] OFF & [8] ON | = 30 Sec. Auto Close |
| [7] ON & [8] OFF | = 60 Sec. Auto Close |
| [7] ON & [8] ON | = 120 Sec. Auto Close |

Setting the System

1. Unplug all power and make sure the gate **completely CLOSED**.
2. Supply power to the system and press transmitter (button 2). Let the motor open (low speed) until both gates are fully opened. Both the motor will stop automatically when the gate is hard stopped. High current cut-off by the circuit board is automatically achieved.
3. Press transmitter (button 2) again and let the motor close (high speed) until both gates are fully closed. Both the motor will stop automatically when the gate is hard stopped. High current cut-off by the circuit board is automatically achieved.
4. The system has now stored the range between opening and closing time. The microprocessor will automatically adjust the low speed and high speed opening / closing of the system.
5. Try few times to make sure the microprocessor has stored the correct range.
6. The gate will auto reverse when the system detects obstruction (high amp) during closing operation.
7. The gate will stop when the system detects obstruction (high amp) during opening operation.
8. To **RESET** the Memory, remove all power sources (Mains and Battery). Wait for 30 seconds. System will reset the open / close calibration. Repeat Step #1 – 5 to set the memory.

Check Motor Rotation Direction

After main supply has been connected to the control panel, make sure the gate swings in the correct direction. This is important as wrong direction will cause the system work in the reverse manner.

The system will initiate an OPEN signal the first time the remote is pressed. The second time the remote is pressed the system initiates a CLOSE function.

Both gates should either OPEN or CLOSE in tandem. To reverse the direction of the motor, reverse the polarity on the wire at the Control Panel.

Check Remote Control Transmitter Signal

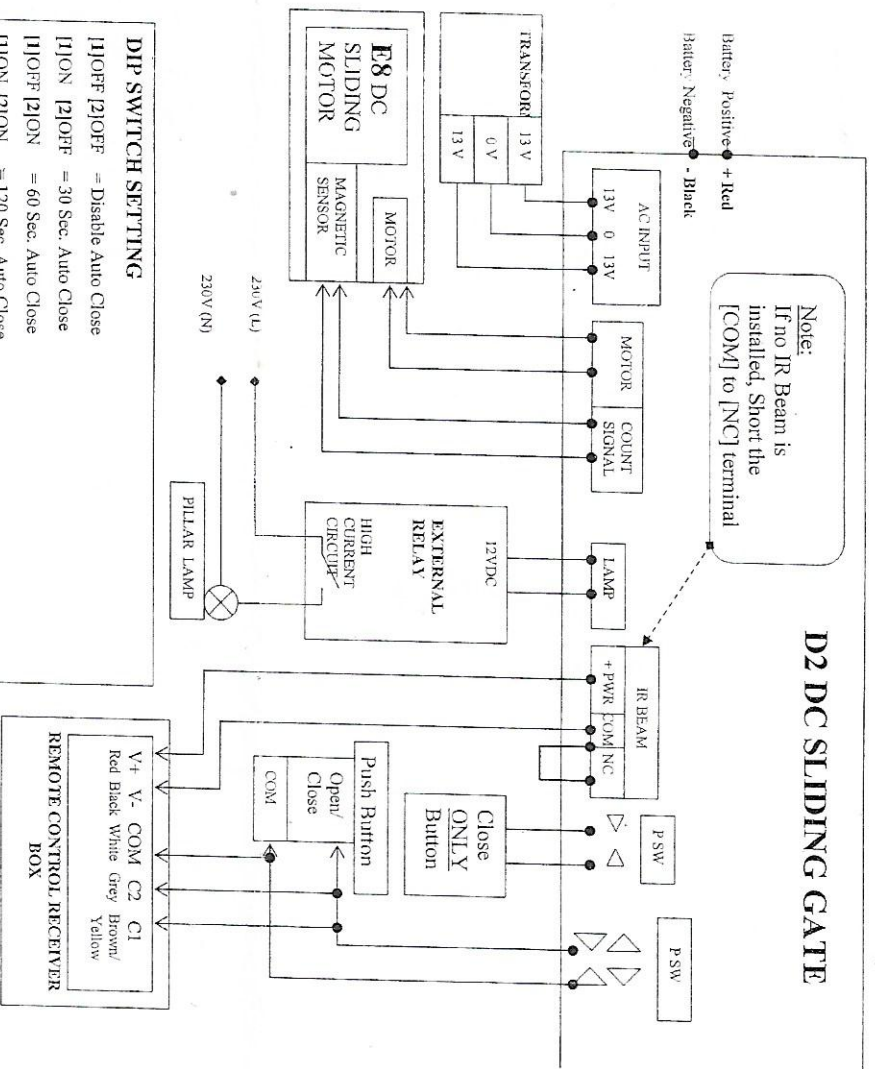
After the receiver panel is connected to the control panel, check the signal transmission.

The transmitter contains two signal represented by button 1 and button 2. Confirm with owner which function they want for each of the button. Button 1 can be set as single leaf operation while button 2 set as double leaf(s) operation and vice versa. Connect signal wire into right hand side port (com, A, & B).

Push Switch port can be connected to push button/switch inside the house. It can either function as single or double gate operation. DIP switch 5 must be set to ON before single gate operation can be used.

D2 DC SLIDING GATE

Note:
If no IR Beam is installed, Short the [COM] to [NC] terminal



DIP SWITCH SETTING

- [1] OFF [2] OFF = Disable Auto Close
- [1] ON [2] OFF = 30 Sec. Auto Close
- [1] OFF [2] ON = 60 Sec. Auto Close
- [1] ON [2] ON = 120 Sec. Auto Close
- [3] OFF = Not in Use
- [4] ON = Light Relay Stay [ON] for additional 50sec after Gate is close
- [5] OFF [6] OFF = Light Relay [ON] when opens, Light Relay [OFF] when gate fully closed
- [7] ON = [CLOSE ONLY] can be used to Open or Close (as long as the gate is not fully closed)
- [8] ON = Holding Push Button 1 sec will enable 1 meter gate opening

Setting the System

D2 Wiring Diagram for Local Use

1. Unplug all power including battery and make sure the gate is **completely CLOSED**. Check **gate stops are installed at the fully open/closed and count signal is wired to the control board.**

2. Tighten firmly with fingers the motor override release with supplied key.
3. Supply power to the system and press transmitter and check the IR-beam green LED light is ON.
4. The system will initiate an OPEN signal the first time the remote is pressed. Observe the MOTOR LED, (GREEN for Open) and (RED for Close)
5. If the Orientation of the motor is reversed, rectify by reversing the Motor Cable on the Control Board terminal.
6. Let the motor run (low speed) until gate is fully opened. The motor will stop automatically when the gate is hard stopped. High current cut-off by the circuit board is automatically achieved.
7. Observe the Green LED COUNT SIGNAL when the wheel is rotating. The LED should blink at a consistent interval while the gate is traveling at constant speed
8. If the LED is not on or does not blinking, recheck the counter cable connections.
9. Press transmitter again. The second time the remote is pressed the system initiates a CLOSE function.
10. The motor will now close at high speed. Observe that Motor LED should be RED.
11. Motor will automatically switch to low speed approximately 30cm from full closing. At approximately 15cm from full closing, motor speed reduces to cushioning speed. Motor automatically cuts off when gate contacts the gate stop (high Amp cut-off).
12. Monitor the MOTOR FORCE LED located at the top right corner of your D2 Control board. Adjust towards HEAVY slowly until the LED light is dimly lighted up.
13. Once in operation, the gate will auto reverse when the system detects obstruction (high amp) during the high speed closing operation.
14. The gate will stop when the system detects obstruction (high amp) during opening operation.
15. To RESET the Memory, remove all power sources (Mains and Battery). Wait for 30 seconds. System will reset to Factory Default. Repeat Step #1 - 10 to set the memory.

D2 Wiring Diagram for Local Use