

## INSTALLATION INSTRUCTIONS *for* WS-240R

It is very important to read all the features and the installation instructions before connecting and using the unit.

### **CAUTION!**

***BEFORE YOU CONNECT THE MOTOR'S WIRES, MAKE SURE THAT THE CONTROL PANEL IS NOT CONNECTED TO THE POWER POINT.***

### **1. Connecting the motor's wires to the Control Panel:**

***Before connecting the motor check that the LIGHT INDICATOR in the control panel is OFF.***

The Electric Motor has 4 wires: **Brown, Black, Blue and Green/Yellow wires.**

Connect the motor's wires as follows:

- a. Connect the **Brown wire** of the motor to the output terminal No. **7L**
- b. Connect the **Black wire** of the motor to the output terminal No. **6L**
- c. Connect the **Blue wire** of the motor to the output terminal No. **5L**
- d. Connect the **Green/Yellow wire** of the motor to the output terminal No. **4L**

### **NOTE**

In case the motor turns in opposite direction required, disconnect the Control Panel from the main power and change the connection between the **Brown** and the **Black** wire of the motor in the Control Panel.

It means the Brown wire of the motor should be connected to the terminal No. 6L and the Black wire to the terminal No. 7L

### **2. Connecting the wires of the manual switch on the wall to the Control Panel:**

**A Normally Open PUSH BUTTON switch must be used with this Control Panel for**

**operating the roller shutter manually.** This type of push button switch closes its contact when it is pressed and opens its contact when released. There are *rotated switches* as well, which function the same way as the push button switches.

The switch has three connections; one is the **COMMON** and the other two connections are the **Normally Open**. Connect the switch as follows:

- a. Connect the **Common** connection of the switch to the input terminal **No. 1R**
- b. Connect one of the Normally Open connections of the switch (it doesn't matter which one of the two) to the input terminal **No. 3R**
- c. Connect the other Normally Open connection of the switch to the input terminal **No. 4R**

**Note:**

**If the switches are operating the shutter opposite to that required, change the connection between the two wires that are connected to 4R and 3R in the Control Panel.**

**SETTING THE SAFETY TIMER IN THE CONTROL PANEL**

This sophisticated control panel cuts off the power to the motor within 45 Sec. after each operation to protect the motor from faulty limit switches. However this timer can be set to any other period of time according to your needs as follows:

- a. Close the shutter **MANUALLY** with the switch on the wall till the end.
- b. Remove the **“TIMER” JUMPER** in the Control Panel.
- c. Press and release the button, which operates the shutter, to open it automatically.
- d. Press the button once again the minute the shutter opens till the end.
- e. Return the **JUMER** to its place.

**TEACHING A NEW REMOTE CONTROL INTO THE CONTROL PANEL**

The control panel can learn and operate with any one of the buttons of its four-button remote control. You can chose and teach the Control Panel one the buttons of the remote control as follows:

- a. Remove the **“CODE” JUMPER** in the control panel.
- b. Choose and press one of the remote control's buttons **I , II , III or IV**
- c. Return the **JUMER** to its place.

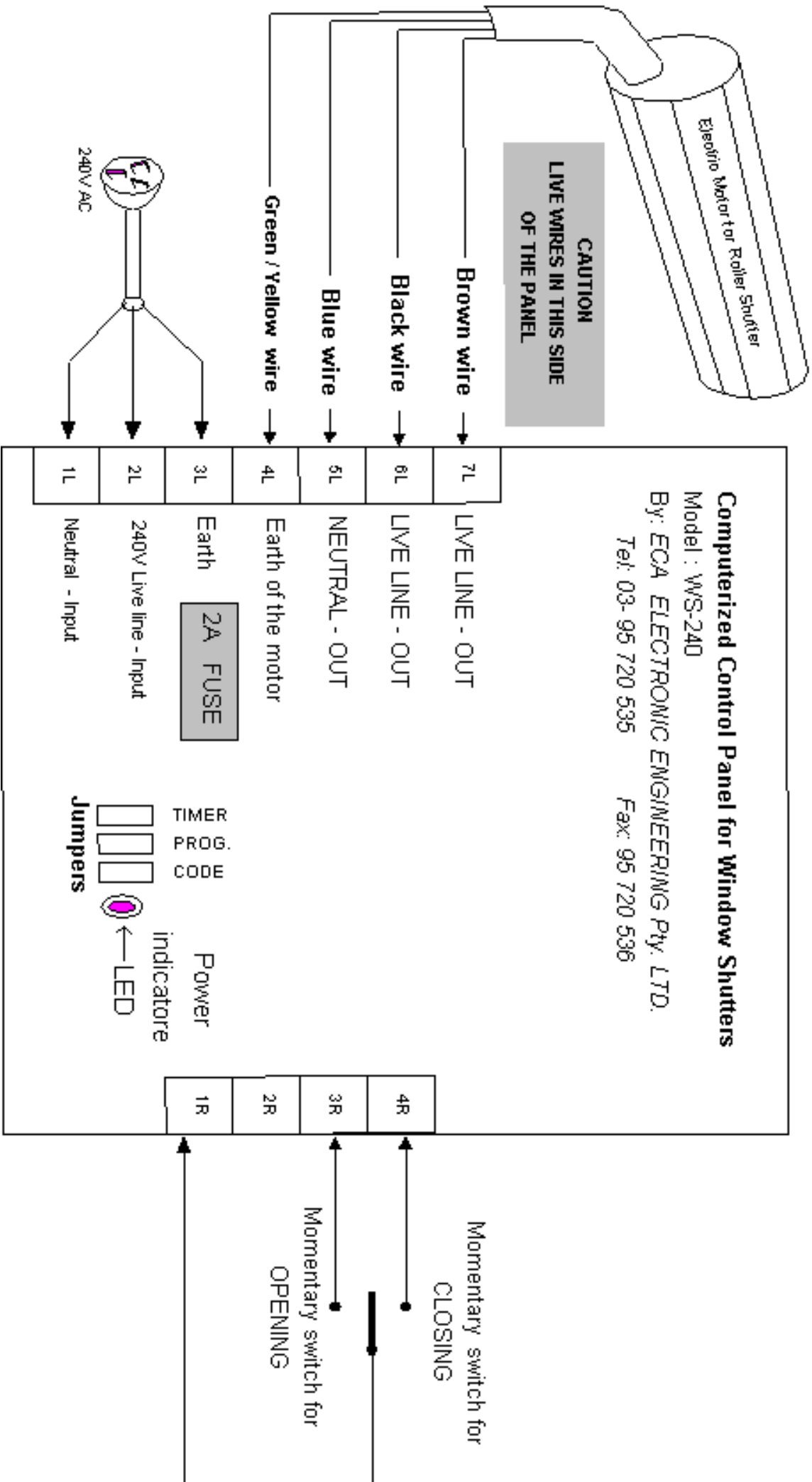
**NOTE!**

**Be careful - Removing the “CODE” jumper without teaching any remote controls into the Control Panel will erase all the existing remote controls from the Control Panel's memory.**

**ERASING the remote controls from the Control Panel's memory**

In order to erase all the remote controls from the Control Panel's memory you need to remove the Jumper **“CODE”** and return it to its place after 2 seconds.

The Jumper **“PROGRAM”** is not in use in this CP.





7