



Upside-Down Operator Control Configuration

Instruction Notice

WARNING

TO REDUCE THE RISK OF SEVERE INJURY OR DEATH TO PERSONS:

1. READ AND FOLLOW ALL INSTALLATION INSTRUCTIONS.
2. Always shut OFF the main power before performing any electrical intervention.

Configuration of Manaras Commercial Door Operators for Upside-Down Installation

Two (2) alterations must be performed:

1. **Reverse rotation** to allow the electric motor to rotate in the opposite direction compared to standard wall-mount or hood-mount installations.
2. **Reverse limits**, as a consequence of the above alteration.

1. Reverse Rotation

1.1. Single-Phase Units

a) Single-phase units with electromechanical control

- Interchange the **ORANGE** and **BLUE** wires coming from the electric motor on the reversing contactor.

b) Single-phase units with electronic control and BOARD066 or BOARD076

- Interchange the **ORANGE** and **BLUE** wires on T13 and T14 on BOARD066 or BOARD076.

c) Single-phase units with electronic control and contactor

- Interchange the **ORANGE** and **BLUE** wires coming from the electric motor on the reversing contactor.

1.2. Three-Phase Units

a) Three-phase units with electromechanical control

- Interchange the **RED** and **BLACK** wires coming from the electrical motor on the reversing contactor.

b) Three-phase units with electronic control and BOARD066 or BOARD076

- Interchange the **RED** and **BLACK** wires on T13 and T14 on BOARD066 or BOARD076.

c) Three-phase units with electronic control and contactor

- Interchange the **RED** and **BLACK** wires coming from the electrical motor on the reversing contactor.

2. Reverse Limits

2.1. Single and Three-Phase Units with Electromechanical Control

- Interchange all wires on the **OPEN** limit switch and the **CLOSE** limit switch.

2.2. Single and Three-Phase Units with Electronic Control

- Interchange all wires on the **OPEN** limit switch and the **CLOSE** limit switch.
- Interchange all wires on the **ADV OPEN** limit switch and the **ADV CLOSE** limit switch.

For further information, please consult the operator's Installation & Instruction Manual or contact our Technical Support Department at **1-800-361-2260**.