



Setting the travel Limits

1. Position the door midway
2. Loosen the thumb screws
3. Wind both knurled nuts to the center of the travel rod
4. Re-tighten the thumb screws to allow the maximum travel in both directions

| "OPEN" Direction | "CLOSE" Direction |
|---|---|
| <ol style="list-style-type: none"> 1. Run the door to the OPEN position 2. Loosen the thumb screw and move the knurled nut until it operates the limit switch, at this point the 'GREEN' OPEN LED will switch on 3. Test by bringing the door DOWN a short distance then UP again 4. Re-adjust to achieve the correct position if necessary | <ol style="list-style-type: none"> 1. Run the door to the CLOSE position 2. Loosen the thumb screw and move the knurled nut until it operates the limit switch, at this point the 'GREEN' CLOSE LED will switch on 3. Test by bringing the door UP a short distance then DOWN again 4. Re-adjust to achieve the correct position if necessary |

Note:

If the over-travel micro-switch is activated, the yellow fault light will flash (x3) and the unit will not operate electrically. The over travel limit is therefore considered to be set too close in relation to the travel limit and requires adjustment. This is done by loosening the over-travel micro-switch fixing screw and sliding the switch towards the end of the limit assembly.

Diagnostics - LED Indication

| | | | | |
|--------|----------|--|--|---|
| RED | Off | No mains power available | | Check mains power supply |
| RED | On | Mains power present and unit powered | | |
| GREEN | Off | Door between limit positions or No motor operation | | |
| GREEN | Flashing | Door traveling in the direction selected | | |
| GREEN | Constant | Final travel limit position reached | | |
| YELLOW | Constant | - | Contactors Jammed | Replace Unit |
| YELLOW | Flashing | (x1) | Emergency Stop Button pressed or open circuit | Rectify Emergency Stop Circuit |
| YELLOW | Flashing | (x2) | Thermal Fuse operated | Motor over worked - allow 20mins to cool |
| YELLOW | Flashing | (x3) | Over-travel micro-switch operated | Adjust distance of over-travel micro-switch |
| YELLOW | Flashing | (x4) | Safety Brake operated or connection open circuit | Check Safety Brake link or Safety Brake |
| YELLOW | Flashing | (x5) | Open Relay stuck or faulty | Power Off / On, if fault remains change PCB |
| YELLOW | Flashing | (x6) | Close Relay stuck or faulty | Power Off / On, if fault remains change PCB |
| YELLOW | Flashing | (x7) | Push button short circuit or faulty | Check all pushbuttons contacts, change PCB |

Method of Control

The operation functions (Dead-man / Continuous Run) are set using the DIP switches located on the board.

The default operation of the motor is set to "Dead-man" both in the OPEN and CLOSE directions.

For continuous run (one press) the DIP switch must be moved. Once the selected DIP switch has been moved, the unit MUST be powered OFF - ON again for this to take effect.

| | | | | |
|--|---|-----------------|----|---------|
| | 1 | OPEN DIRECTION | On | Deadman |
| | 2 | CLOSE DIRECTION | On | Deadman |

| | | | | |
|--|---|-----------------|-----|----------------|
| | 1 | OPEN DIRECTION | Off | Continuous Run |
| | 2 | CLOSE DIRECTION | On | Deadman |

Definitions:

Dead-man - A continuous press of the control button is required to operate the motor. The motor will stop upon release of the button.

Continuous Run - One brief single press of the control button will start the motor, the motor will run until the final limit position is reached. The Emergency Stop button is pressed or a fault develops. A prolonged press of the control button will result in no motor action.

IMPORTANT NOTE:

This unit does not directly accept any form of safety devices eg. Photocells or Safety Edge, therefore to comply with current legislation the closing direction must remain in a dead-man condition.

| | | | |
|--|-------------|----------|----|
| Title: JM200 (Monitored PCB) SET UP INSTRUCTION | | | |
| Date | 01/07/2021 | Drawn By | DE |
| Drg# | INS - JM200 | Chk'd By | AP |



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