



CAMPDEN INSTRUMENTS LIMITED

INSTRUCTION MANUAL

FOR

446 RETRACTABLE LEVER

Campden Instruments Limited
PO Box 8148
Loughborough
LE12 7XT
UK

May 2007

INTRODUCTION.

The Campden Instruments 446 Retractable Lever is a standard accessory for the Campden 410 series Test Chambers.

All electrical instruments and equipment should be periodically tested to ensure they remain safe to use. In some countries this may be a statutory requirement. Your local Health and Safety Executive (or equivalent) will be able to advise on this matter.

The unit contains no user-serviceable parts. Contact your dealer or Campden Instruments if you require assistance.

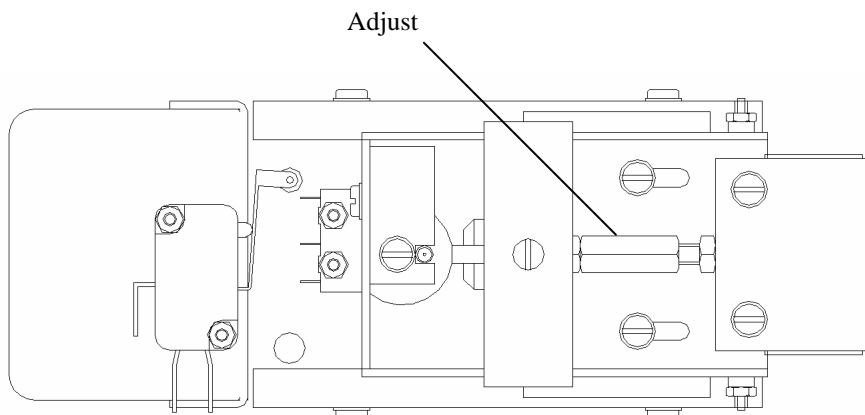
OPERATION

Connections to the 446 Retractable lever are made via a eight way terminal block (PL1) as follows:

- 1: Lever operate
- 2: 0VDC supply
- 3: 24 to 28VDC supply
- 4: No Connection
- 5: Lever press report
- 6: Lever press report
- 7: Lever position report
- 8: Lever position report

To operate the Retractable Lever connect the unit to a +24/28 v and 0v supply as above. Connect the Operate terminal to the 0v for 25 – 100 mSec to retract or extend the lever

The lever position output is a voltage free switch, which is closed when the lever is retracted. The lever press output is a voltage free switch, which is closed when the lever is pressed. To adjust the required force for a valid response, adjust the long hexagonal nut behind the lever (shown below). Closer to the lever requires less force and further from the lever more force.



SPECIFICATIONS

Voltage Requirements: 24-28 VDC
Standby Current: 0 mA
Operating Current: 20 mA
Wattage: 5.6W max