Newlec®

Instructions

PRODUCT RANGE

OCCUPANCY DETECTOR WALL MOUNTED

PART NUMBER

NL5704A TWO WIRE

FEATURES

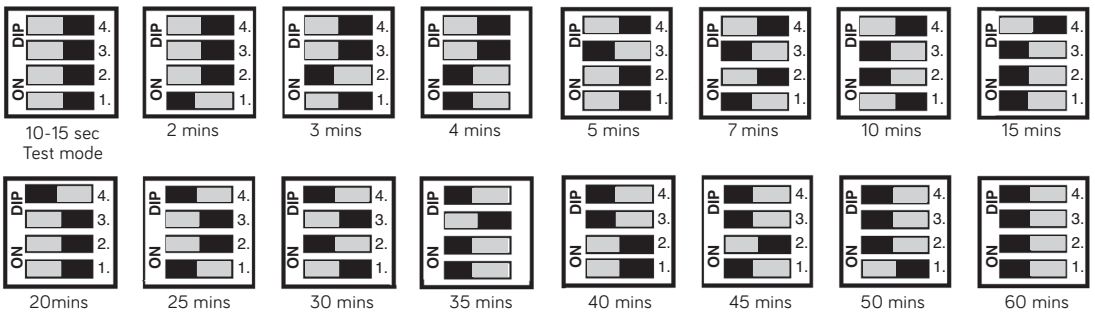
- Time Delay 2min-1hr
- Voltage 240Va.c. 50Hz
- Test mode function added for your convenience.
- Load Rating for all lighting loads that are LED, Compact Fluorescent, Fluorescent, Incandescent and Resistive. (This Occupancy Detector cannot be used with contactors.) Please use NL5706A instead.

FITTING AND OPERATION INSTRUCTIONS

1. Prior to fitting ensure mains power is switched OFF and live in and live out wires are identified. Also where applicable remove metal back box lugs that are not being used.
2. For installation purposes, set the dip switches for **test mode** as shown in Timing Diagram and gently rotate the lux pot anticlockwise towards the plus (+).
3. Securely fit live in and live out wires into the terminals marked Lin, Lout.
4. Press Reset button on each PIR in the circuit.
5. Turn mains power ON. Wait for 1 minute for PIR to initiate itself.
6. To test the Occupancy Detector timer leave the area and the lights will switch OFF in approximately 60 seconds as long as no movement or external sources are detected.
7. To test the timer re-enter the area and the Occupancy Detector Timer will detect movement and trigger the lights ON.
8. Reset the desired time delay with reference to timing diagram and the lux level pot to desired ambient light level required.
9. Ensure the timer is secured to the back box securely. Note: Ensure no cables rest on Reset Button when switch is attached to wall. Do not press the Occupancy Detector dome for any reason.
10. A capacitor will be required when switching low power or low energy lighting. For example: LED, 2-D fittings, energy saving lamps, etc. One capacitor per circuit must be fitted at the light fitting. A Newlec NL5705A Capacitor will be required.

Timing Diagram

Please note that the BLACK BAR denotes the position of the dip switch



IMPORTANT NOTICE

All wiring should be carried out by a competent person or a qualified electrician and should be fitted to IEE Wiring regulations BS7671. The circuit should be isolated before carrying out any work. Failure to adhere to the instructions will invalidate the warranty.

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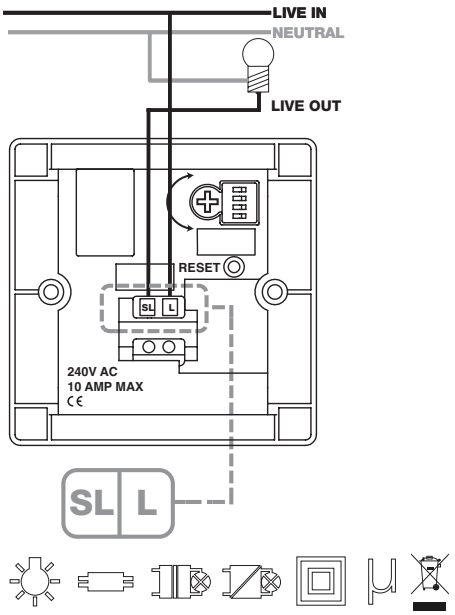
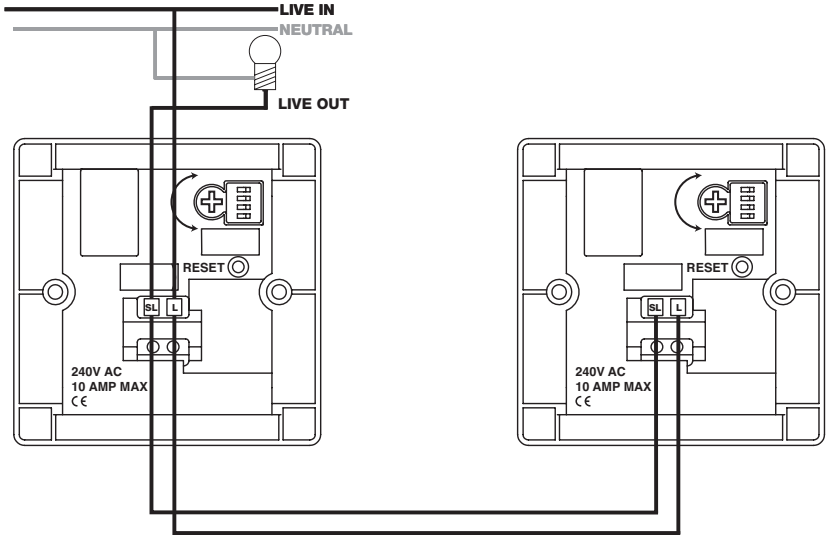
Instructions

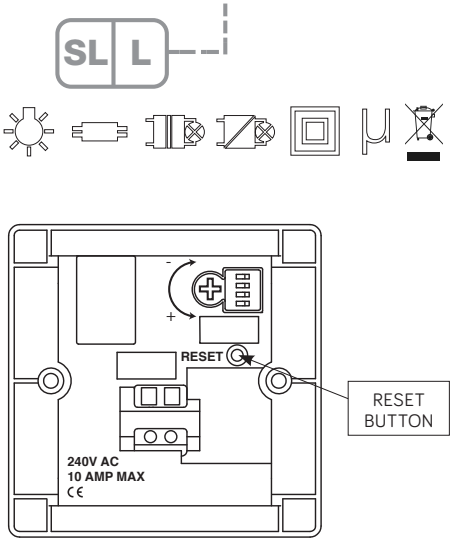
Wiring Diagram

Single switching

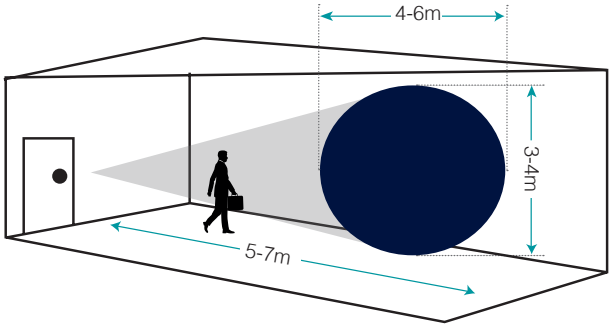


Multiple switching





Detection - 360°



NOTE: ENSURE NO CABLES REST ON RESET BUTTON WHEN SWITCH IS ATTACHED TO WALL

TROUBLESHOOTING

PROBLEM	RESOLUTION
Lights will not switch OFF	• Check time settings (Black bar denotes position of dip switches). • Check Connections. • Occupancy Detector is too close to lights - Re-position away from lighting, forced air ventilation or heating sources. Ensure Occupancy Detector is not looking directly at heat source or is in direct sunlight. • Occupancy Detector is re-triggered – Check area is left unoccupied for longer than time setting using an accurate time piece. • Capacitor must be fitted if switching low wattage loads or LEDs.
Lights will not switch ON	• Check Terminal connections. • Lux set too low- Turn up lux level towards the plus and wait 30 seconds for sensor to adjust. • In the unlikely event that the above does not work then press the reset button at the back. (In circuits with multiple Occupancy Detectors ensure that all Occupancy Detectors have reset buttons pressed.)
Light switches OFF then immediately comes back ON	• Check terminal connections. • Occupancy Detector may be detecting normally find potential source that is triggering Occupancy Detector. Best method is to cover detector with thick material to eliminate potential trigger source. • Occupancy Detector is seeing infra-red heat from lighting load. • Capacitor must be fitted if switching low wattage loads or LEDs.

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