DESIGNER AUTOMATIC WALL SWITCH (ULTRASONIC) - 120/277 VAC (Neutral Wire)

Greengate Models OSW-U-0721-MV

1. All specifications in Sensors-General shall apply.
2. The Wall Switch shall mount flush into a designer-style wallplate.
3. The Wall Switch shall turn off lights automatically after a room is vacated and a time delay elapses.
4. The Wall Switch shall be capable of sustaining light by detecting minor movements (i.e., picking up a telephone receiver) of a person located anywhere in the room within the coverage area.
5. The Wall Switch shall provide no-gap minor motion coverage of an area up to 20 feet in front and 12.5 feet to either side of the sensor placement.
6. Wall Switch coverage patterns shall have been verified using the NEMA WD7 Guide and robotic method.
7. Lights shall be activated manually upon entering a room for maximum energy savings or automatically for maximum convenience. A concealed switch will be provided to enable selection of either option.
8. The Wall Switch shall incorporate a touchplate, which can be pressed to turn the lights off in either the automatic or manual mode. When set in the automatic mode, lights turned off manually shall stay off while the room remains occupied. After the room is vacated and the pre-set time delay and "grace period" have elapsed, the lights shall come back on automatically upon re-entry.
9. The Wall Switch shall provide a "time to lights off" delay, which is adjustable through a concealed control. The Time Delay shall be adjustable between 15 seconds (for installer testing) and 15 minutes.
10. The Wall Switch shall screen out false activation from corridor traffic by reducing sensitivity to motion after the time delay and "grace period" has elapsed.
11. The Wall Switch shall provide Entry Sensitivity and Area Sensitivity that are adjustable through concealed controls. The Entry Sensitivity control shall be capable of being adjusted so that the sensor is not triggered by passing traffic when the lights are off. The Area Sensitivity control shall be capable of being adjusted so that minor motion in the area being covered is detectable without false triggering by HVAC.
12. In "Manual On" mode the Wall Switch shall provide a "grace" period of approximately ten seconds that allows lights to be turned on by motion anywhere in a room after they are turned off due to inactivity. Any motion detected by the Wall Switch within that "grace period" shall automatically turn the lights on, thus eliminating the need to manually reactivate the lights.
13. The Wall Switch shall provide override capability, for use during lamp changes, by means of a touchplate that can toggle the lights off. There shall be no leakage to load in off mode.
14. The Wall Switch shall provide a concealed jumper, which will force lights on in the event of product malfunction.
15. All adjustable controls shall be concealed and operable without special tools or removal of the Wall Switch from the wall.
16. The Wall Switch housing shall comply with UL 94V0 and shall be equipped with a protective grill to shield detectors from damage.
17. The Wall Switch shall control up to 6.7 Amps (approximately 800 Watts) for 120 Volt Systems and 4.3 Amps (approximately 1200 Watts) for 277 Volt systems. There shall be no minimum load requirement.
18. The Wall Switch shall be compatible with magnetic and electronic ballasts and shall be capable of withstanding the high inrush, which is generated by some electronic ballasts.
19. The Wall Switch shall be immune to both Electromagnetic Interference (EMI) and Radio Frequency Interference (RFI).
20. The Wall Switch shall be UL Listed for both 120 and 277 Volt circuits.
21. The Wall Switch shall have three wires for connection to the hot, neutral and switchleg.
22. The Wall Switch shall transmit at 40 kHz and perform within the FDA's guidelines for ultrasonic devices.
23. The Wall Switch shall be Greengate model OSW-U-0721-MV.

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