

Part 1 General

1.1 REFERENCES

- .1 The latest edition of:
 - .1 Canadian Standards Association (CSA International)
 - .1 CSA-C22.2 No. 42, General Use Receptacles, Attachment Plugs and Similar Devices.
 - .2 CSA-C22.2 No. 42.1, Cover Plates for Flush-Mounted Wiring Devices (Bi-national standard, with UL 514D).
 - .3 CSA-C22.2 No. 55, Special Use Switches.
 - .4 CSA-C22.2 No. 111, General-Use Snap Switches (Bi-national standard, with UL 20, twelfth edition).

1.2 SHOP DRAWINGS AND PRODUCT DATA

- .1 Submit shop drawings and product data in accordance with Section 01 33 00 - Submittal Procedures.

Part 2 Products

2.1 OCCUPANCY SENSORS

- .1 Commercial grade:
 - .1 Wall mounted PIR/Ultrasonic adaptive switch, 220m² coverage area 180° pattern.
 - .2 Ceiling mounted PIR/Ultrasonic adaptive switch, 220m² coverage area 360° pattern.
- .2 Relay(s): 120 VAC 800W / 1200VA / 0.25hp.
- .3 Switch Type: Single-Pole or Dual relay as required.
- .4 Time Delay: 30s-30m.
- .5 LED Color: Green and Red.

2.2 COVER PLATES

- .1 Cover plates for wiring devices to: CSA-C22.2 No. 42.1.
- .2 Cover plates from one manufacturer throughout project.
- .3 Sheet steel utility box cover for wiring devices installed in surface-mounted utility boxes.
- .4 Stainless steel, vertically brushed, 1 mm thick cover plates for wiring devices mounted in flush-mounted outlet box, except for joint use wall outlets.

- .5 Cast metal cover plates for wiring devices mounted in surface-mounted FS or FD type conduit boxes.

Part 3 Execution

3.1 INSTALLATION

- .1 Occupancy Switches:
 - .1 Utilize single pole switches for lighting only loads.
 - .2 Utilize dual relay switches to control auxiliary fans in areas such as Washrooms and Janitor Rooms.
- .2 Cover plates:
 - .1 Protect cover plate finish with paper or plastic film until painting and other work is finished.
 - .2 Install suitable common cover plates where wiring devices are grouped.
 - .3 Do not use cover plates meant for flush outlet boxes on surface-mounted boxes.

END OF SECTION