US Hallway COM2-24
Occupancy Sensors

STEINEL®
PROFESSIONAL

Project Name:
Location:

64560	65300	65320	65330

US Hallway COM2-24

Item No.	64560 US Hallway COM2-24
Accessories	65300 RC 3 service remote 65320 RC 4 user remote 65330 WGC wire guard cage
Voltage	18-24 VDC/VAC (34 mA) 50/60 Hz
Load Rating	control output - 1 A @ 30 VAC/VDC HVAC dry contacts - 1 A @ 30 VAC/VDC
Sensing Technology	ultrasonic (40 kHz)
Time Delay Setting	control output - 30 sec. - 30 min. pulse mode (approx. 2 sec. 'ON' 8 sec. 'OFF') IQ mode (automatic adjustment to the usage profile) HVAC dry contacts: 0 sec. - 10 min. switch 'ON' delay 1 min. - 2 hrs. stay 'ON' time auto-HVAC mode
Light Level Setting	10 – 1000 lux / 1 – 100 fc
Environment	IP20 rated, 0° C to +40° C / 32° F to 104° F
Ultrasonic Detection Zones: (Coverage at 2.5 m / 9 ft)	max. of 2 x 20 m (40 sq.m.) min. of 2 x 5 m (10 sq.m.) max. of 6.5 x 65 ft (422.5 sq.ft.) min. of 6.5 x 20 ft (130 sq.ft.)
Dimensions	4.72 x 4.72 x 2.87 in, 120 x 120 x 73 mm (LxWxD)
Warranty	5 years
Certifications	C-UL-US Listed, RoHS compliant UL 2043 Plenum Rated, CA Energy Code compliant

The US Hallway COM2-24 is a low voltage (40 kHz) Ultrasonic Technology Occupancy Sensor that utilizes STEINEL's state of the art ultrasonic signal processing to provide superior stable volumetric bidirectional detection for independent control of both lighting and HVAC. Lighting is controlled in relation to both the presence of motion and ambient light levels. The HVAC output (isolated normally open and normally closed dry contacts) are signaled in relation to only the presence of motion. The unique linear bidirectional coverage pattern is engineered specifically for hallways and applications requiring a true volumetric bidirectional linear pattern of detection. This is an ideal hallway sensor for design and retrofit applications. Operational choices of manual on or auto on with either momentary or maintained switch options. Included "force off" light level feature provides the option to turn lights off when sufficient daylight is present for additional energy savings. The convenient "COM-Link" feature enables multiple sensors to link together via the communication link for pier to pier grouping achieving expanded detection zones with control set up functions set at only one primary sensor for the entire group. Mounting options provide for 4" Square box, 4" Octagon box, Round 3.0 Mud-Ring or directly to the ceiling with quick mount spring tabs. The available service and user wireless remotes provide simplified commissioning and occupant convenience.

The Control PRO group of presence detectors are available in multiple presence detection technologies for the control of heating, ventilation and air-conditioning as well as lighting (as in the COM2-24 versions) and optional 1-10 volt dimming and daylighting options (in the DIM-24 versions).

Applications

The typical best practice applications for the US Hallway sensors are: Hallways, tunnel walkways, sky walks, etc.

Key Features:

- Low voltage (18-24 VDC/VAC) sensor for use with a power pack or building automation system
- Independent ON and OFF time settings for the HVAC (NO/NC)
- Ultrasonic (40 kHz) Occupancy Sensor
- Service and user wireless remotes available
- Manual ON mode (MAN) / Automatic mode (AUTO)
- Momentary / Maintained switch option
- 'ON' only / 'ON' & 'OFF' manual switching
- Light level feature turns lights off with sufficient daylight
- IQ Mode dynamically adjusts the 'ON' time delay by learning individual room occupancy
- Auto-HVAC mode reduces presence detection sensitivity and requires additional detection verification before signaling the HVAC output.

40 kHz
Ultrasonic

6.5 x 65 Ft Max
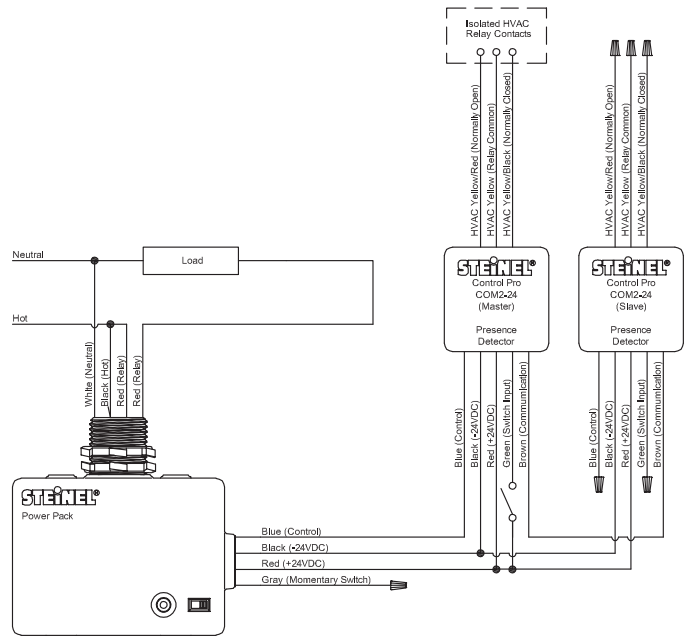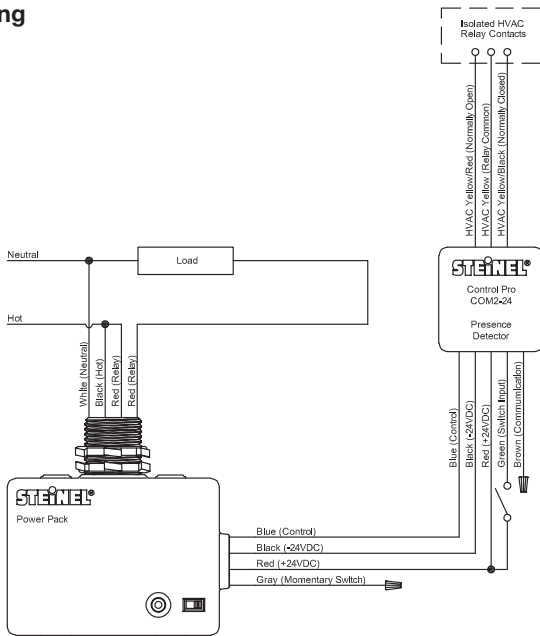
1 - 100 fc

24 VDC
18 - 24 VDC/VAC & HVAC

30 Sec - 30 Min

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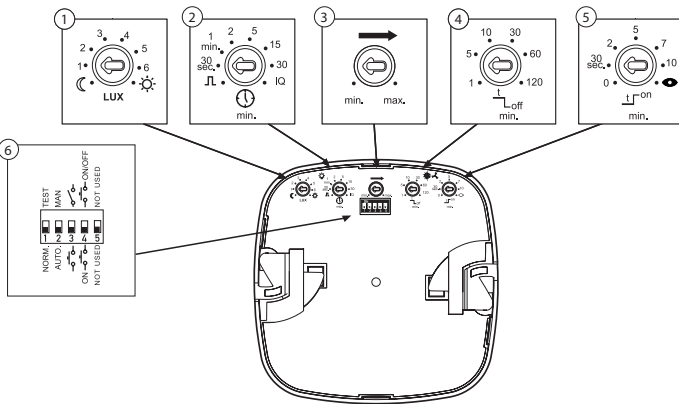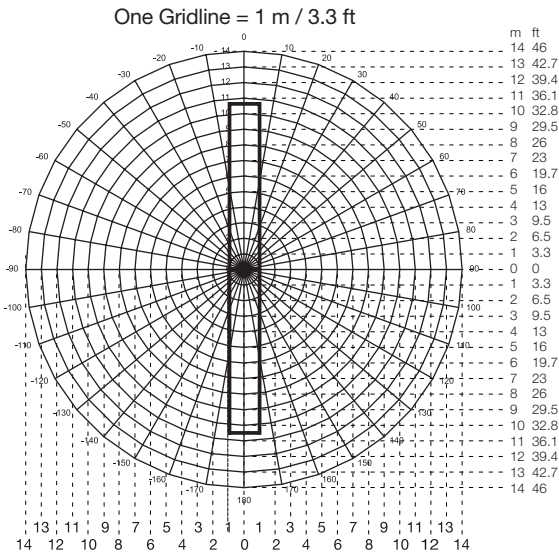
Wiring

Settings
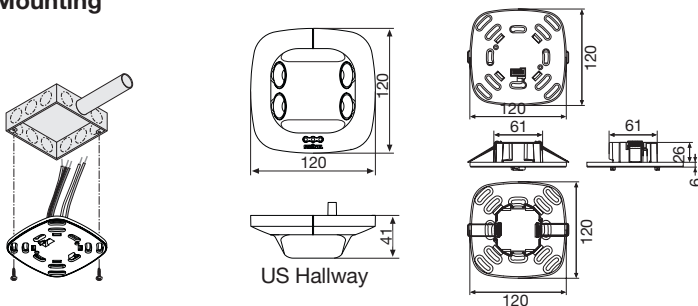

DIP 1 - Normal mode /
         Test mode (NORM / TEST)
DIP 2 - Manual ON mode (MAN) /
         Automatic mode (AUTO)
DIP 3 - Momentary /
         Maintained switch option
DIP 4 - 'ON' only / 'ON' & 'OFF' manual switching
DIP 5 - Not used

1 - Light level setting
2 - Occupancy time delay setting
3 - Reach setting
4 - HVAC stay-'ON' time
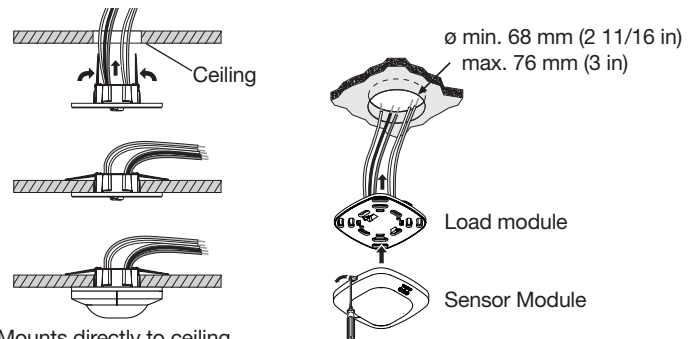5 - HVAC switch-'ON' delay
6 - Sensor DIP switch settings

Coverage

Shown coverage diagram at 9 ft mounting height. Ultrasonic signal can be increased by hard surfaces and decreased by soft surfaces.

One Gridline = 1 m / 3.3 ft

Mounting

US Hallway

Mounts to a 4" Square box, 4" Octagon box or Round 3.0 Mud-Ring

Ceiling

Mounts directly to ceiling with quick mount spring tabs

ø min. 68 mm (2 11/16 in)
max. 76 mm (3 in)

Load module

Sensor Module