# US Hallway COM1-24
## Occupancy Sensor

**.steinel**



Project Name:
Location:

| 64550 | 65300 | 65320 | 65330 |
|---|---|---|---|

### US Hallway COM1-24 Specifications

| | |
|---|---|
| Item No. | 64550 US Hallway COM1-24 |
| Accessories | 65300 RC 3 service remote<br>65320 RC 4 user remote<br>65330 WGC wire guard cage |
| Voltage | 18 - 24 VDC/VAC (30 mA) 50/60 Hz |
| Load Rating | control output - 1 A @ 30 VAC/VDC |
| Sensing Technology | ultrasonic (40 kHz) |
| Time Delay Setting | control output 30 sec. - 30 min.<br>pulse mode (approx. 2 sec. 'ON' 8 sec. 'OFF')<br>IQ mode (automatic adjustment to the usage profile) |
| 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:<br>(Coverage at 2.5 m / 9 ft) | max. 2 x 20 m (40 sq.m.)<br>max. 6.5 x 65 ft (422.5 sq.ft.)<br>min.  2 x 5 m (10 sq.m.)<br>min.  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,<br>UL 2043 Plenum Rated, CA Energy Code compliant |

The US Hallway COM1-24 is a low voltage Ultrasonic Technology Occupancy Sensor (40 kHz) that utilizes STEINEL's state of the art ultrasonic signal processing to provide superior stable volumetric bidirectional detection. The unique linear bidirectional coverage pattern is engineered specifically for hallways and applications requiring a true linear volumetric 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 peer to peer grouping achieving expanded detection zones with convenient 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 sensors are available in multiple 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
- Bidirectional 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 when sufficient daylight is present
- Mounts to a 4" square box, 4" octagon box, round 3.0 mud-ring or directly to the ceiling with quick mount spring tabs
- "COM-Link" communication allows for up to 10 sensors to be grouped together
- IQ Mode dynamically adjusts the 'ON' time delay by learning individual room occupancy

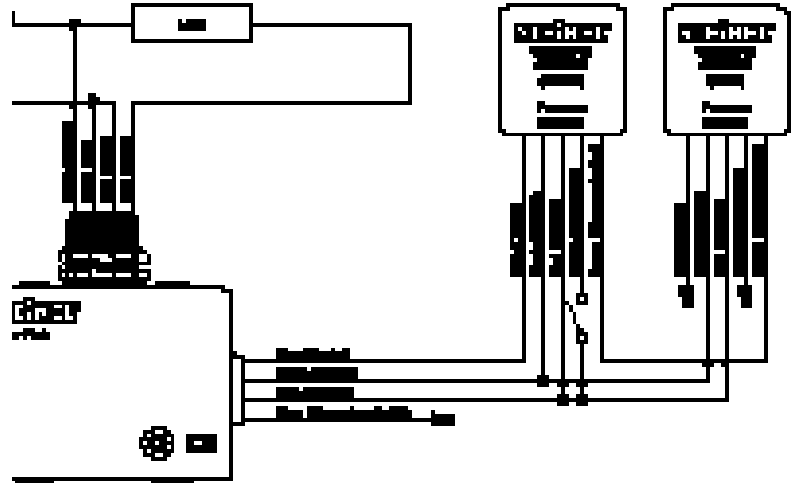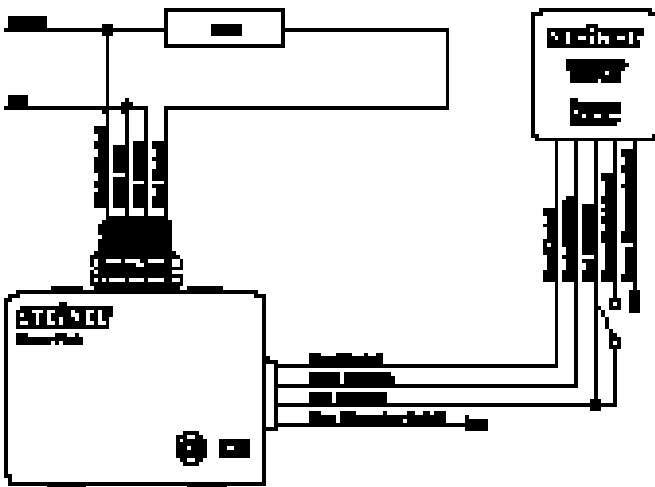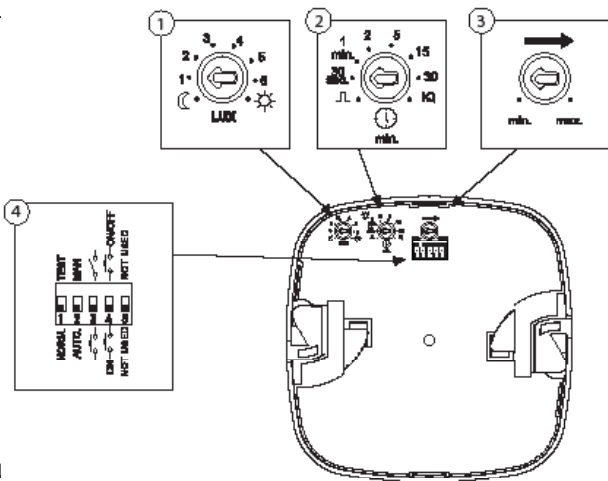**40 kHz** Ultrasonic  |  6.5 x 65 Ft Max  |  1 - 100 fc  |  **24 VDC** 18-24 VDC/VAC  |  30 Sec - 30 Min

Settir



1 - Light level setting
2 - Occupancy time delay setting
3 - Reach setting
4 - Sensor DIP switch settings

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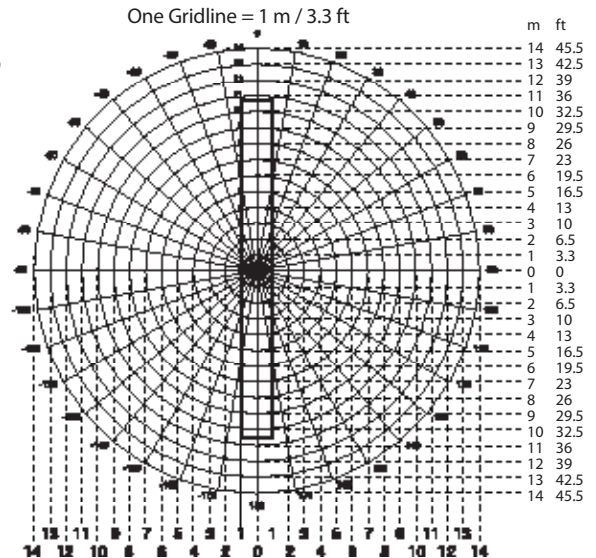    Automatic mode (AUTO)
DIP 3 - Momentary / Maintained switch option
DIP 4 - 'ON' only / 'ON' & 'OFF' manual switching
DIP 5 - Not used

### 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

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

...d module

...nsor Module

with quick mount spring tabs