

GS-C SOUND LEVEL SENSOR

INTRODUCTION

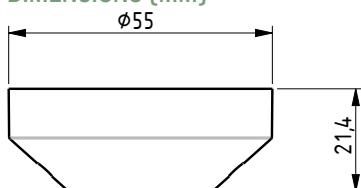
The GS-C is a digital sound level sensor designed for ceiling mounting and connection to Lindinvent's active supply air diffusers or other climate control regulators.

APPLICATIONS

The sensor can only measure sound levels and can be used for monitoring sound levels in environments such as classrooms. Measurement data can be used for alarms and possible actions when the sound level exceeds a certain threshold.

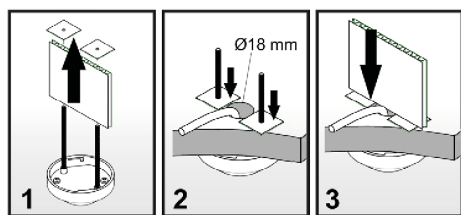
- Present sound signatures for individual spaces
- Alarm (Indicates high sound levels)

DIMENSIONS (MM)

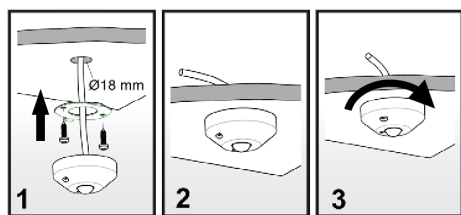


CEILING MOUNTING

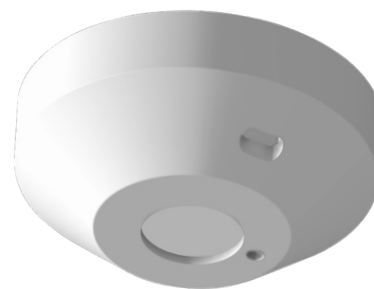
The sensor is designed for mounting in suspended ceilings or on ceiling joists, as illustrated below. The sensor comes with mounting hardware upon



Mounting GS-C in Suspended Ceiling Tiles: Remove the two retaining clips from the pins. Thread the cable through a hole in the ceiling tile with a maximum diameter of 18 mm. Push the pins through the tile and secure the GS-C by reattaching the retaining clips to the pins in the reverse order.



Mounting GS-C on Ceiling Joists: Fasten using a mounting ring and bayonet fitting.



Ceiling-mounted Sound Level Sensor GS-C

TECHNICAL SPECIFICATIONS

General

Sound Level Detector

Measurement Range: 40 - 80 dB

Tolerance: ± 3 dB

Dimensions: See adjacent illustration

Material

Housing: PP

Circuit Board: FR4

Cable: Polyolefin, Halogen-free
(EN 60754-1/2, IEC 60754-2)

Weight with 3-meter cable: 100 g

Color

Housing: RAL9003

Other

Mounting hardware for suspended ceilings or soft acoustic tiles, or for ceiling joist mounting, is included. Specify when ordering.

Electrical System

Power Supply

5 V

Power Consumption

$<0,1$ VA

CE-Marking

Complies with EMC and low voltage directives.

IP-Rating

Housing is IP20.

Input and Output Signals

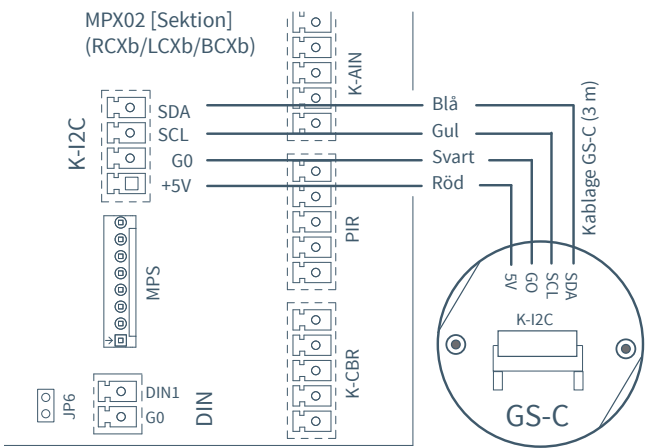
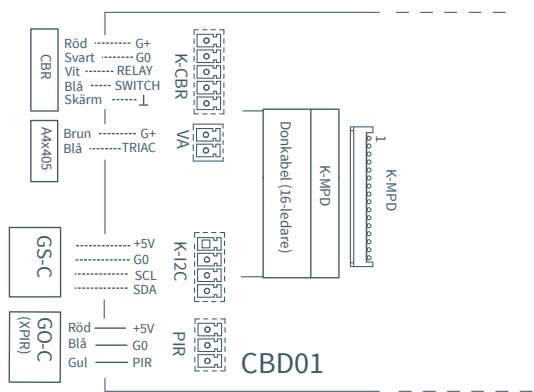
Output Signals

Communication bus I2C

Kopplingsbox CBD till ISQ-160, ISQ-200, ISQ-F, ISQ-V

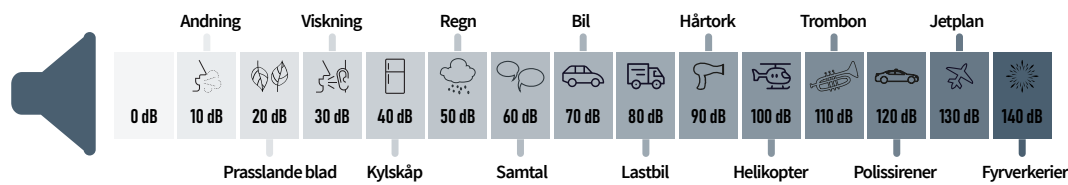
CBR = Belysningsstyrningsbox
A4x405 = Ventilställdon, 24VAC (On/Off)
GS-C = Ljudnivågivare
GO-C, XPIR = Närvarogivare, 5VDC

ISQ-160/ -200/ -F = Aktiv taktilluftsdon
ISQ-V = Aktivt väggmonterat tilluftsdon



Section of Circuit Board for Room Climate Regulators:
Shows K-I2C for connecting GS-C.

SOUND LEVELS



SUPPLEMENTARY PRODUCT DOCUMENTATION

Documents can be accessed at www.lindinvent.com

Documents	Comment
Installation Instructions	See this product description for GS-C. Shows drilling and mounting in ceilings.
Commissioning Instructions	Refer to commissioning instructions for the control unit the presence sensor is connected to.
Maintenance Instructions	Considered maintenance-free.
External Connection Diagram	Shows how equipment is connected to active diffusers via the CBD junction box and connection to other room climate regulators.
Environmental Product Declaration	For assessment by the Byggvarubedömningen in Sweden.
AMA-text	New version coming soon.