

PZ-70CS(W)(D)-E

Plug and play CO₂ sensors



The Mitsubishi Electric **PZ-70CS(W)/(D)-E CO₂ sensors** have been designed to work with the LGH-RVX3 and LGH-RVS range of Lossnay units.

They allow the indoor air quality of a room to be kept safe and fresh by regularly measuring the CO₂ levels and adjusting airflows accordingly, ensuring that stale air is removed from the space and fresh air is introduced in an energy efficient manner.

Powered directly from the Lossnay's power supply, both sensors offer simple installation and are commissioned digitally on the PZ-62DR-E Lossnay controller for tailored monitoring and control.

Key Features & Benefits:

- Plug and play solution for ease of installation
- Visual LED display for quick and easy indication of CO₂ levels in the space (Only available with PZ-70CSW-E)
- Automatic 16-step control offers seamless change across the fan range for consistent and effective ventilation, and improved indoor air quality
- Powered by the Lossnay unit therefore no requirement for additional power supply
- Digital commissioning of setpoints and thresholds for user-friendly, tailored control



Ventilation Product Information

PZ-70CS(W)(D)-E Plug and play CO₂ sensors



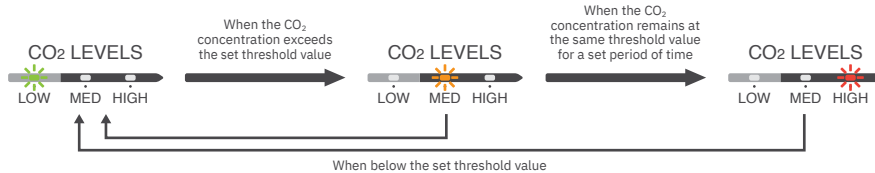
MODEL		PZ-70CSW-E	PZ-70CSD-E
TYPE		Wall Mounted	Return Air
CONCENTRATION PPM DISPLAY		On PZ-62DR-E	On PZ-62DR-E
VISUAL INDICATOR		Traffic Light Signal	-
ELECTRICAL POWER SUPPLY		From Lossnay Unit	From Lossnay Unit
CABLE LENGTH	m	10 ^{*1}	6
DIMENSIONS	Width x Depth x Height mm	70 x 26 x 120	117 x 75 x 65
COMPATIBLE WITH		Lossnay LGH-RVX3-E and LGH-RVS-E Series	

Note: *1 Extendable to 20m

PZ-70CSW-E LED SETTING

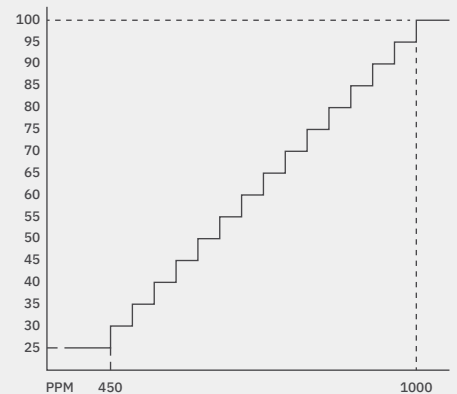
The wall mount type CO₂ sensor PZ-70CSW-E has LEDs which indicate the concentration level.

LED Operation Overview: The LED light works in accordance with the operations shown below. Settings thresholds and lighting times can be changed on the remote controller.



FAN OUTPUT

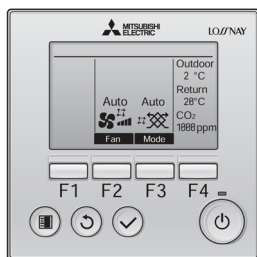
Fan Output %



Settable upper and lower CO₂ limits

The lower and upper limit CO₂ levels can be set between 300ppm and 2000ppm at 50ppm increments. The difference between the lower and upper limit must be at least 300ppm.

AUTO FAN SPEED

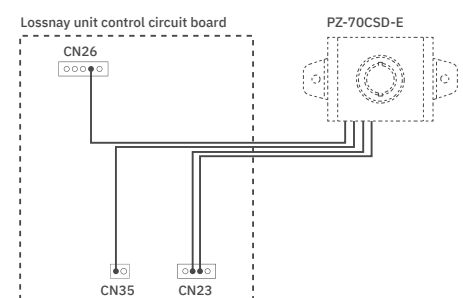
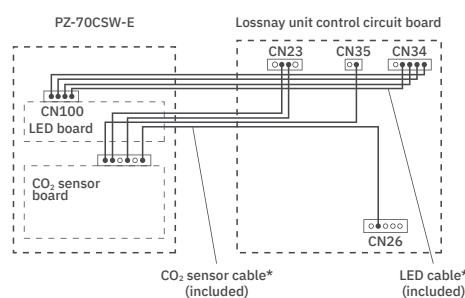


Setting the fan speed to "Auto" will start automatic fan speed control using the CO₂ sensor.

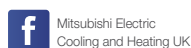
WIRING DIAGRAM

A qualified electrical technician is to carry out connection work. Once installation work is complete, confirm again that the wiring is as per the wiring diagram, and that no parts or screws remain unused.

Do not disconnect connectors that are already connected.



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Note: Refer to 'Installation Manual' and 'Instruction Book' for further 'Technical Information'. The fuse rating is for guidance only and please refer to the relevant databook for detailed specification. It is the responsibility of a qualified electrician/electrical engineer to select the correct cable size and fuse rating based on current regulation and site specific conditions. Mitsubishi Electric's air conditioning equipment and heat pump systems contain a fluorinated greenhouse gas, R410A (GWP:2088), R32 (GWP:675), R407C (GWP:1774), R134a (GWP:1430), R513A (GWP:631), R454B (GWP:466), R1234ze (GWP:7) or R1234yf (GWP:4). *These GWP values are based on Regulation (EU) No 517/2014 from IPCC 4th edition. In case of Regulation (EU) No.626/2011 from IPCC 3rd edition, these are as follows: R410A (GWP:1975), R32 (GWP:550), R407C (GWP:1650) or R134a (GWP:1300).

Effective as of April 2023

