

Noise reduction through Noise Awareness

The Org Delta Indicator Program

Org-Delta offers a solution to the common problem of noise pollution and stale air in workplace and schools

Noise and stale air can be very debilitating and even harmful in environments such as offices, call centres, factories, kindergartens and schools.

The ORG-Delta Indicator Program assists in overcoming these undesirable effects and provides annunciation when harmful conditions arise.

The Problem:

In working or schooling environments we face the situation that as background noise increases so does our mode of speaking to overcome this. Before long our voices are raised and we contribute to the increase in background noise as we strive to make ourselves heard. The result is simply – the overall noise level rises.

The Solution:

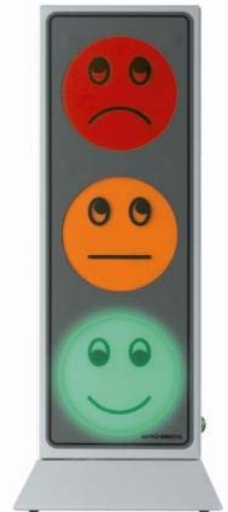
The Noise Indicator provides a visual signal of where the level is and thus promotes an automatic reduction.

The Aim:

It is desirable to achieve lower levels of noise even when the indicator is not present. To do this the Noise indicator is introduced into the environment as part of a project to encourage people to develop a greater sensitivity to the problems of noise pollution. One unit can be moved around multiple rooms so that the occupants become more aware and develop restraint.

By means of an integrated noise level measuring device in the base of the unit the actual level is measured and compared to pre-settable values. Smily-Face style indicators in a traffic light configuration then display the current situation in that environment:

- Green = All is well
- Yellow-orange = Early Warning
- Red = Noise level is too high



One recognizes the visual cue that one should tone it down.

In Production environments this lends itself to objectively showing the requirement to don Ear Protection. Modern work practices increasingly focus on injury prevention of all types but hearing was often not considered as seriously as other hazardous factors. The Org-Delta Noise indicator Program can be used to reduce the risk exposure.

The indicator operates as a stand-alone device and does not need to be associated with individuals. The unit can be adjusted from 55 dB(A) upwards. The yellow and red thresholds are independently set and a programmed delay prevents rapid variations from generating fluctuating visual signals. To complete the program a three tone gong is sounded to advise acoustically that the danger threshold has been breached. The unit is presented in a solid, long-life metal housing on stable rails for table top use. It can easily be moved from location to location as required.

Technical Specifications:

Dimension	14cm * 40cm * 8cm
Colour	Grey Gloss Finish
Construction	Metal Housing
Attachment	Simple Wall Attachment / Detachable Table Mount
Power	100 – 240V AC Adaptor (included), Max 18 Watts

Combi – Noise and Carbon Dioxide Indicator

This unit adds a carbon dioxide detector which measures the amount of the gas present in the surrounding room. Should this rise to more than 1500 ppm then the red indicator starts to flash. If it increases further to above 2500ppm then the indicator is a steady red showing that ventilation is required.



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