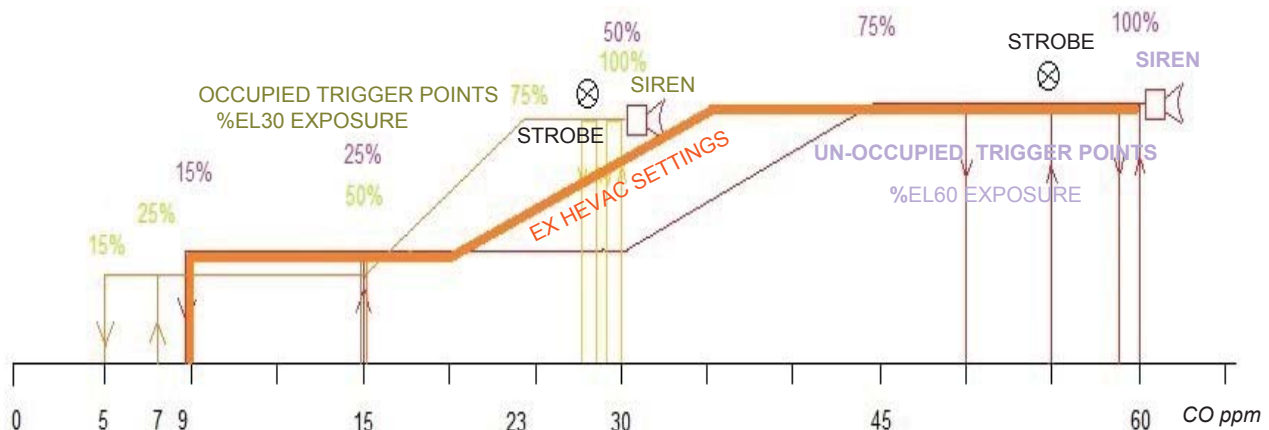


## HCP7v2 AS1668.2 - 2012 COMPLIANCE

**\*\*\*NOTE \*\*\*: AS1668.2-2012 Calls for CO ppm sensor response to be based on a Time Weighted Average (TWA) set over an 8 hour period (exposure limit time frame), and with different O/P trigger values depending on the space being used as an occupied or unoccupied CarPark.** The standard sets occupied carparks to comply to a maximum exposure limit (%EL over 8 hours) of 30ppm & 60ppm for unoccupied carparks. Hevac has found that although the specified settings for unoccupied carparks satisfy the health & safety standards and conserve energy, they give poor comfort response to sudden build up of annoying fumes from an idling car or forklift etc, So as a reasonable compromise, Hevac has preset the HCP7 controller to exceed the AS1668.2 requirements, using the controllers "CUSTOM" programming menu to set outputs as follows : The Fan Enable relay (R1) is set to respond to "current value" (CV not TWA) with a 1 minute ON delay, the VSD ramp to start from 20ppm & ramp to 35ppm, High speed relay to energize at 35ppm & off at 20ppm, the Strobe light O/P also set to CV (not TWA) as an early warning of high CO or NO2 contaminants & the Audible Alarm O/P's set to use TWA measurement. We have also chosen to set the TWA to average over 1 hour not 8hrs. The site commissioning technician can change most settings (with the custom menu) or select one of the inbuilt preset occupied or un-occupied programs that fully comply to the standards, but compliance to meet minimum standards then shifts from HEVAC to the programmer. **Note :** AS1668.2-2012 no longer calls up the use of NO2 sensors, although HEVAC still recommends their system inclusion particularly when many diesel trucks or cars use the parking facilities. The "CONFIGURE" menu for editing is password protected, please contact our office on 0395627888 or refer to the supplied programming manual. The controller incorporates a simple event data logger, or a 3rd party Modbus connected monitoring / data logging module c/w web interface is also available if required. Please refer to the standards for other criteria that affect system compliance.

*IT SHOULD BE NOTED THAT THE CODE DOESNT ACTUALLY CALL UP THE REQUIREMENT OF A STROBE LIGHT , THIS HAS BEEN A TRADITION THAT CONTROL SUPPLIERS HAVE ALSO SUPPLIED AND SET TO TRIGGER AS AN EARLY WARNING BEFORE THE REQUIRED SIREN TRIGGER POINT IS REACHED.*



*THE CODE ALSO CALLS UP FORCED RUNNING OF THE FAN SYSTEM TO MEET MINIMUM VENTILATION REQUIREMENTS IN A 24HR PERIOD. AS SUCH THE HCP7 INCLUDES AN IDLE TIMER THAT TRIGGERS FAN OPERATION FOR 10 MINUTES (ADJUSTABLE) IF THE FAN SYSTEM HASNT STARTED IN THE PREVIOUS 24HRS (ADJUSTABLE).*