Smart Ventilation Control

Co Control (Car Parks)

When it comes to Ventilation of enclosed spaces there are two options.

One option is to run you ventilation system 24hrs 7 days which will result in high energy costs and shorter life span of your equipment.

The other option is to install a smart energy efficient control system which will reduce your energy costs and extend the life cycle of the ventilation equipment but still maintain minimum air quality standards while having a pay back period of under 2 years.

What sets us apart :-

Simplicity is the key.

A user friendly touch screen has many advantages over the LCD screens.

The multi page touch screen allows for fast and easy installation and commissioning,

How does it save energy :-

Using Co level detectors the smart controller can speed up or slow down the ventilation fans to maintain a safe air quality level

The "Smart Controller" can be selected for either of two modes.

Mode 1 - "Peak Periods" The user can select the required speed and for how long on a daily basis to ensure there is no lag time before sensor pick up increased traffic.

Mode 2 - "Purge Period" To meet NEW Australian Standards the enclosed space must achieve a minimum number of air changes per day regardless of Co levels.
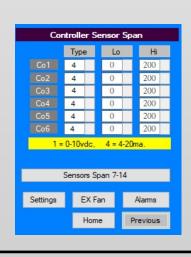
AIRTEK®   Contact Ian Mayes 07 32690577 Email: ian@airtek.com.au

Touch Screen Technology

- Information at you finger tips

- Graphical representation

- Commissioning & Service Friendly

- Adjustability with Password Protection.

- OFF the Shelf or Customised Ventilation Systems.

- Simple Touch screen in Plain English.

- No Alarm codes to decipher.

- Control all types of equipment.

- Bacnet BTL approved.

- Remote Mount screen or Onboard controller.

- Monitored Onboard A-O-M switch's including 0-10vdc outputs.

- Low - High Digital Speed.

- 0-10vdc output for VFD (Variable Frequency Drives).

- Enable - Disable sensors from Hi Select and Alarms.

- Selectable Sensor types and range (Span).

- Purge and Peak Period Scheduling.

- Individual Sensor status and Alarming.

- Individual Sensor Calibration.

- Expandable I/O (Max up to 38 Sensors).

Fan Settings

FAN Auto Mode	
Speed in AUTO	0
Minimum Auto Speed	10
Minimum T/Clock Speed	55
Manual Speed	20
Min FAN ON Time (sec)	60
Min FAN OFF Time (sec)	60

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Co Settings

Co Min Level Setpoint (OFF)	1
Co Max Level Setpoint	25
Co Alarm above Max	10
Co Level Hi Select	0

Time Clock Schedule Settings

Fan Run for Min Sp Time	
Fan Min Run Time Sp (Min)	75
Fan Run Time (Min)	25

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Fan Settings | Alarms

Controller Sensors

Status	Sensor	Offset	Co Level	
S1 Enabled	2.0	0.0	2.0	
S2 Enabled	2.5	0.5	3.0	
S3 Enabled	-48.7	0.0	-48.7	
S4 Enabled	2.1	0.0	2.1	
S5 Enabled	3.2	0.0	3.2	
S6 Enabled	4.0	0.0	4.0	

Sensors 7-14

Sensors SPAN

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Main Controller Alarms

	Status	Hi Level
Co1	Normal	Normal
Co2	Normal	Normal
Co3	Faulty	Normal
Co4	Normal	Normal
Co5	Normal	Normal
Co6	Normal	Normal

Sensors 7-16

Com Alarm Input	Normal Mode
Fan Mode	Normal Mode
Fan Speed Mode	Normal Mode
Alarm Light	Normal Mode
Alarm Buzzer	Normal Mode

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Controller Sensor Span

	Type	Lo	Hi
Co1	4	0	200
Co2	4	0	200
Co3	4	0	200
Co4	4	0	200
Co5	4	0	200
Co6	4	0	200

1 = 0-10vdc,   4 = 4-20ma.

Sensors Span 7-14

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SCHEDULE

Friday, 19 August 2016 2:42:51 PM

Weekly Schedule

Exception Schedule

Enable | Time Clock | ON

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The CPV-V3 will fit most applications but we can assist you in any specialised requirements.