



Controlling Ventilation



Company Brochure

EXPERTS IN VENTILATION CONTROL

www.imdrcv.co.uk



About us

imdr have the experience and technical ability to provide a controls package to fulfil smoke control and natural ventilation requirements, for either, new build projects or refurbishment of outdated or obsolete controls while retaining existing vent hardware.

Working from the conceptual stage, we can design bespoke products and solutions to overcome the challenges of your particular project, providing an appropriate, robust, reliable and compliant solution for smoke control or day to day ventilation.

For residential, educational, commercial or retail environments ensuring our customers remove the risk associated with none compliance.

The logo for imdr, featuring the lowercase letters 'imdr' in a white, sans-serif font. A small white leaf-like shape is positioned above the 'i'.

T: 07941 943 428

T: 02476 982 208

E: enquiries@imdrcv.co.uk

www.imdrcv.co.uk

Our Services

We have, over the last 30 years developed a range of products that will satisfy the vast majority of Smoke Control and Natural ventilation requirements.

If you know exactly what you require you can simply order at this point, we keep a considerable amount of stock of the most commonly required control equipment and all are at very competitive rates. O&M manuals are supplied with the equipment. Technical support is available to you at every stage of the installation, just call us and we'll help.



CONSULTATION

Call us and we can discuss your basic requirements, arrange meetings and develop a strategy and time-line to move your project forward ensuring you a worry free solution. We have available Fire engineers who can provide their input into the consultation phase.



DESIGN

For fire engineered systems any necessary CFD modelling would be completed and a report containing the conceptual design and CFD results provided for approval. At this point for approved code compliant systems a quote will be produced, detailing a brief outline of the products and system to be provided.



SPECIFICATION

After receipt of an official order for the equipment we would provide a technical submittal detailing the bill of materials, wiring schematics along with various specifications of wiring and installation details in order to facilitate a smooth and timely project.



MANUFACTURE

All the products that are supplied are carefully built within our factory under the FPC (Factory Production Control) system developed with the BSI and within ISO9000 and EN12101-10 control guidelines. The factory is inspected by BSI staff once a year to check that all the procedures are being accurately followed. The control equipment has been tested by BSI to EN12101-10 under attestation conformity level1.



SUPPLY

Products are shipped via courier direct from the factory to reduce handling. We endeavour to keep a reasonably large stock level and usually are able to supply equipment ex-stock.

imdr

T: 07941 943 428

T: 02476 982 208

E: enquiries@imdrcv.co.uk

www.imdrcv.co.uk

New Product Bulletin

With first class customer service, full technical backup, and top quality products, we guarantee the supply and installation of a trouble free system.

The latest version of the our networkable control system now includes our new CMC boards. Based on the existing SVCS2 technology, the CMC range of boards are an ideal solution for operating devices with their own power supplies and a perfect solution for replacing outdated or faulty communication systems.

COMMSMASTER NETWORK CONTROL SYSTEM

CommsMaster Visio

The Commsmaster Visio has a touch screen and operates as the main front end interface, and is used for programming, monitoring or remotely operating other devices on the system.

SVCS2

The SVCS2 has been produced as a versatile control system based upon a long line of very successful and popular control systems over the last 20 years.

The basic function of the system is to control a vent or a series of vents which it will open or close depending upon a number of different stimuli.

While its primary function is for controlling a Smoke Vent it also has facilities for day to day ventilation, making it very versatile.

CMC-io

The CMC-io board has the same basic control functions as the SVCS2. CMC-io cannot power an actuator but it can be used to switch an actuator or vent with its own power supply, trigger a fan control panel, provide fault analysis and monitoring.

CMC Slave

The CMC slave is used to interface remote Fire Alarm Interfaces or switches onto the Commsmaster network.



T: 07941 943 428

T: 02476 982 208

E: enquiries@imdrcv.co.uk

www.imdrcv.co.uk

[VIEW OUR PRODUCT DATASHEETS](#) 

Datasheet - Controls Commsmaster Visio

• Multi Zone Monitor & Override **Applications:**

- Smoke Ventilation • Daily Ventilation • Multizone



This Programmable-Addressable Control System is an ideal solution to control multiple vents and inputs while reducing cabling and associated costs.

With the inbuilt communication capability of our existing SVCS2 control panels the need for need for large multi-zone control panels is no longer required, reducing on average wiring costs by 75%.

FEATURES

Master Controller operates up to 199 outstations as a stand alone system and can be integrated with an existing Fire Alarm Systems.

MASTER CONTROLLER

- Touch screen digital display gives the authorised personnel complete control of the AOV system.
- Can override any automatic signals that the outstations have received.
- Monitors all outstations and display any faults reported and status of vents.

OUTSTATIONS

- Fan Control Panel
- SVCS-2 Single Zone Control Panel
- CMC-io
- CMC-Slaveboard
- Rain Sensors
- Thermostats
- Fire Fighters Override

CODE: Commsmaster Visio

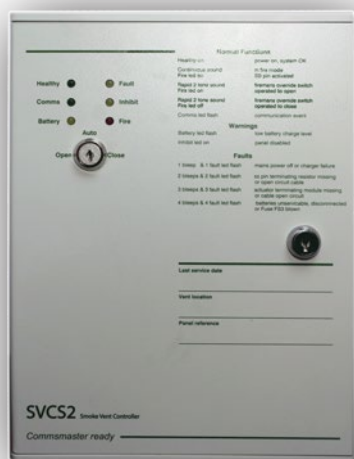
Voltage (Input)	230vAC +10% -7	Colour	Grey/Green
Voltage (Output)	12v DC (100mA)	Dimensions	230 x 310 x 120mm
Number of Outstations	199	Networkable	Yes RS485

Datasheet - Controls SVCS2

- 24v DC
- 5amp
- Single Zone Controller

Applications:

- Smoke Ventilation • Daily Ventilation • Multizone



FEATURES

- When installed correctly unit is compliant with EN12101-10.
- Complete with 72 hour battery back up on mains failure.
- Complete with lead acid batteries.
- Relay to provide volt free indication of common faults.
- Open circuit cable detects, power supply failures, removal of batteries etc.
- Open circuit cable detect motor lines.
- Auto-test front of panel key switch enables testing and opening / closing of actuators connected.
- Primary inputs; fire fighters override, call point, smoke detector, fire alarm.
- Secondary inputs; manual switch, thermostat, rain sensor.
- Facility for smoke heads to be automatically reset.
- Stand-alone single zone panel to suit stairwell vents.
- Inter-linkable via a 2 core and e FP200+ cable to create a multi zone system including slave options for head of stair and head of shaft.
- Networkable via a RS485 data loop and controllable remotely via a Central Network Controller (Commsmaster)

CODE: Commsmaster Visio

Voltage (Input)	230vAC +10% -7	Colour	Grey/Green
Voltage (Output)	24v DC min 19 max 29.5	Dimensions	230 x 310 x 120mm
Output Current	5 amps	Networkable	Yes

**imdr provide appropriate, robust,
reliable & compliant solutions
for Smoke control &
day to day Ventilation.**

EXPERTS IN VENTILATION CONTROL
CONSULTATION, DESIGN, SPECIFICATION,
MANUFACTURE & SUPPLY



T: 07941 943 428
T: 02476 982 208
E: enquiries@imdrcv.co.uk

I. M. Design & Repair Ltd
Tall Trees | Tredington
Warwickshire | CV36 4NG

www.imdrcv.co.uk