Klipspringer

Compliance with confidence

WatchmanOne
VELOCITY

The next generation of realtime,
wireless environmental monitoring
for any size application

Introducing **WatchmanOne** Velocity

Following in the footsteps of Klipspringer's successful WatchmanOne system, we are pleased to introduce the next generation.

✅ **Realtime monitoring**
24/7 monitoring gives you complete peace of mind and compliant audit trail. Receive notification as soon as any sensor exceeds the specified tolerances.

✅ **Versatile**
As a modular system, you can add, remove or relocate monitoring sensors at any time without the need for a qualified engineer.

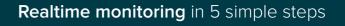✅ **No fees**
No ongoing software and licensing renewal fees.

Temperature

Humidity

Energy

Door Contact

Pulsed

Concentration (ppm)

Digital Input

Linear (0-10V, 4-20mA)

www.klipspringer.com/watchmanone

Realtime monitoring in 5 simple steps

1. Base Station

The base station forms the hub of your monitoring system. Programme sensors, review system status, and action alarms from here. Requires power and data supply. There are three models of base station depending on your application:

Velocity (for the majority of applications)
VelocityLite (for smaller applications requiring a more basic level of monitoring)

2. Wireless Sensors

With an impressive wireless range of 1000m free space* and battery powered, sensors can be placed almost anywhere for temperature, humidity, PPM, doors etc.

3. Repeaters

Extend the reach of your system by using wireless repeaters to increase signal strength.

4. Alarms

In the event of an alarm, receive notification by email, phone, SMS and other methods – e.g. Klaxon (additional equipment required).

5. Reporting

Log in to your system from any PC or tablet to review data, analyse reports and update settings.

Typically has wireless range of up to 200m with walls and/or construction within buildings.

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Alarms & notifications

If the received data falls outside the defined parameters the base station activates an alarm notification. The software can be configured to generate audible warnings, email, SMS text, trigger beacons and auto diallers and send alarm notifications over IP to 3rd party alarm companies.

Users acknowledge alarms using their passcodes and can add multiple notes to each alarm to detail any actions that have been taken.

All alarm notifications, user acknowledgments and action notes are time stamped and recorded to provide a full audit trail.

Data analysis & reports

A powerful graphing tool allows data from different sensors to be overlaid and viewed over different time periods. Data can also then be printed or exported to a CSV file.

In addition to the graphing tool, the system can provide reports to aid with legislative requirements. Reports are created in a PDF format which can be printed and saved. All reports and exported data are date stamped and carry the user's name and electronic signature.

The system can produce reports including an overview report which lists all sensors; or detailed reports showing each sensor, maximum and minimum values reached, tabular and graphical representation of the data and any alarm notifications for that period.
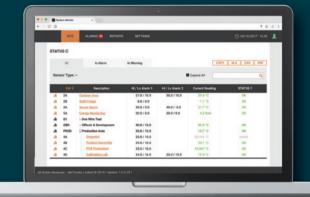
Data security

For added data security the Velocity has daily automatic data back-up to an integrated industrial grade micro SD card, providing 100% data backup. Both normal and backup data can be viewed seamlessly within the system.

In addition Velocity* has an integrated battery back-up as standard to provide up to 12 hours operation in case of a power loss, protection against any loss of data.

*Additional data features available with WatchmanOne Velocity only (excludes Velocity Lite).

Why choose WatchmanOne Velocity

- ⊘ Wireless
- ⊘ No renewable licensing
- ⊘ Tiered user structure
- ⊘ Up to 20 password protected users
- ⊘ Instant alarm notification via email or SMS
- ⊘ Modular - simple to add or relocate sensors as requirements change
- ⊘ As little as 1 minute recording intervals
- ⊘ Roaming sensor for in-transit data
- ⊘ Protected from other wireless devices

| No server or dedicated PC | No ongoing costs or licensing fees | Fully web based no software | Inbuilt reporting and graphing tools | Long range wireless sensors | User replaceable 5 year battery | Battery and data backup | Vast array of sensor types |

Sensor options

WatchmanOne Velocity allows you to have up to 150 monitoring points measuring any combination of parameters you require. Below are the most popular sensors:

TEMPERATURE
- ✓ Internal and external sensors.
- ✓ Range from -200°...+200°C.
- ✓ As accurate as ±0.5°C.
- ✓ Roaming sensors record temperatures on the move (e.g. trailers) and transmit to base station when back within range.

HUMIDITY
- ✓ Constantly monitor humidity up to 85%.

GAS LEAK DETECTION
- ✓ Ensure refrigerant gas levels do not present a health and safety risk.
- ✓ Identify system leaks as early as possible to minimise wastage.

MOTION
- ✓ E.g. monitoring door opening events in conjunction with temperature to identify cost saving opportunities and operational irregularities.

ENERGY CONSUMPTION
- ✓ Monitor energy consumption patterns and combine with other sensors to identify potential cost savings.

ALL SENSORS

1 minute logging interval.

IP67 rated.

Battery life > 5 years.

User replaceable battery.

View the full range of sensors and specs online

Specification

	Velocity	Velocity Lite
Data & Data Storage		
Internal Memory Storage Period	150 sensors 6 months, 75 sensors 1 year, 30 sensors 2 years	20 sensors 4 years
Back-Up Memory Storage Period	150 sensors 2 years, 75 sensors 4 years, 30 sensors 8 years	-
Back-Up Frequency	Automatic - daily	-
Battery Back-Up	Yes	No
Maximum Number of Sensor Inputs	150 wireless or hardwired sensors per base station*	20 wireless or hardwired sensors per base station*
Sensors, wireless transmitters and hardwired connectors available separately. Existing 433Mhz DataCentre sensors are compatible with all Velocity Base Stations.		
Resolution of the Sensor Readings	Integer to 3 decimal places as required	Integer to 1 decimal place as required
Users & Security		
Max Number of Users	20	5
Network Connectivity	Yes	Yes
System Alarms		
Set Points	Upper & Lower Warning and Critical Alarm Set Points	Upper & Lower Warning and Critical Alarm Set Points
Alarm Delays	User defined	User defined
Audible Alarm	Yes	Yes
Alarm Email	Yes	Yes
Alarm Acknowledge	Yes	Yes
Alarm Notes	20 notes per alarm	5 notes per alarm
Relay Outputs	2	2
Alarms over IP	Up to 3 IP Address	Up to 3 IP Address
Inputs/Outputs		
Micro USB Output	Yes	Yes
Mini Din Input for External Hardwired	Yes	Yes
Universal 5v DC power adaptor -	Yes	Yes

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To request a **demo** or **site survey** contact our specialist team.

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