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.

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 dialers
and send alarm notifications over IP to
3rd party alarm companies.

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).

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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°C to +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

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**Specification**

<table>
<thead>
<tr>
<th>Data &amp; Data Storage</th>
<th>Velocity</th>
<th>Velocity Lite</th>
</tr>
</thead>
<tbody>
<tr>
<td>Internal Memory Storage Period</td>
<td>150 sensors 6 months, 75 sensors 1 year, 30 sensors 2 years, 10 sensors 4 years</td>
<td>20 sensors 4 years</td>
</tr>
<tr>
<td>Back-Up Memory Storage Period</td>
<td>150 sensors 6 months, 75 sensors 1 year, 30 sensors 2 years</td>
<td>-</td>
</tr>
<tr>
<td>Battery Back-Up</td>
<td>Automatic daily</td>
<td>-</td>
</tr>
<tr>
<td>Minimum Number of Sensor Inputs</td>
<td>150 wireless or hardwired sensors per base station*</td>
<td>20 wireless or hardwired sensors per base station*</td>
</tr>
</tbody>
</table>

*Sensors, wireless transmitters and hardwired connectors available separately. Existing ALUMIG 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 Output
  - 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
- Alarm via IP
  - Up to 2 IP Addresses
  - Up to 2 IP Addresses

**Inputs/Outputs**
- Micro USB Output
  - Yes
  - Yes
- Max Data Input for DataCentre Interface
  - Yes
  - Yes
- Universal 5v DC power adapter
  - Yes
  - Yes

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

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