

# OVERFLOW detector

## CSCV4

The wired overflow detector **OVERFLOW** incorporates IJINUS patented CapAir® technology, simplifying installation and considerably reducing maintenance compared to resistive and capacitive technologies.

CapAir® technology, or capacitive measurement using air as the reference medium, allows reliable and unrivaled detection of overflows in wastewater networks in the most difficult conditions. The wired overflow detector **OVERFLOW** can log the number and duration of overflows.

This detector makes it possible to securely record overflows even in the event of a power outage. It has an internal memory and battery which, even in the event of a power failure, can record "100 overflow events" and enable you to download them using the BT app and forward them by e-mail.



- Configuration of Bluetooth BLE settings
- Modbus output, open drain pulse, NO, NC
- PLC and process compatible
- Capacitive technology using air as the reference medium
- IJINUS patent
- IP68 ingress protection
- Fouling management and monitoring
- Dynamic threshold analysis
- 100 event logger



### Communication and configuration

This new overflow detector is configured via Bluetooth Low Energy (BLE) using the mobile App **OVERFLOW** available on the Android Play Store. Activation on the detector is therefore not required.

This App allows you to verify or modify the capacitive saturation threshold used to switch the product to a submerged state. Other parameters can also be modified: measurement period, type of digital output (NO, NC, Pulse), etc.

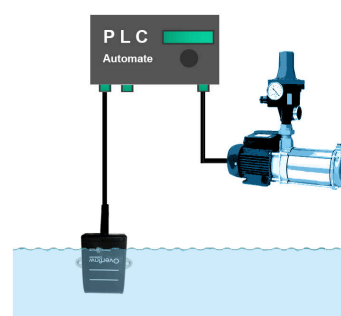
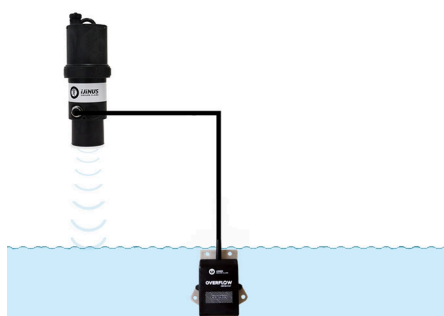


### Communication via GSM / GPRS / 4G

The detector **OVERFLOW** is connected and communicates its data over a wired connection to an LNU06V4 or LNR06V4 sensor, or to a data logger from the LOGV4 range. If they are equipped with a sim card, data can be transmitted via GSM/GPRS to monitoring software, or [ijitrack.com](http://ijitrack.com)

### Modbus communication

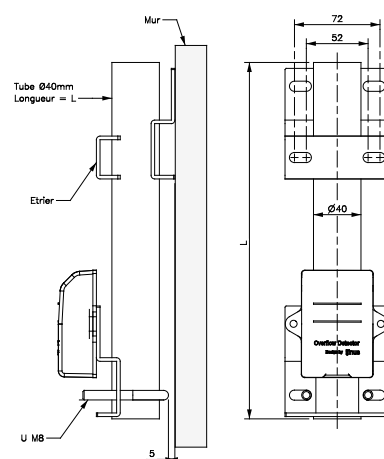
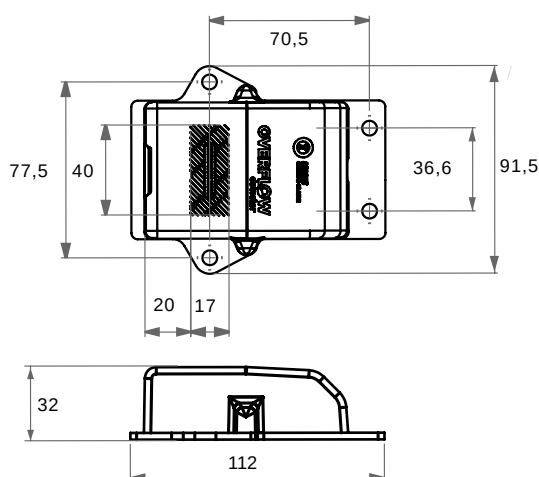
In its bare wire version and connected to a PLC, the overflow detector can transmit a change of state as well as a fouling indicator (if the Modbus connection is configured).





Characteristics	CSCV4
Technology	Capacitive
Detection threshold	Factory setting: 90% on dynamic threshold for wastewater
Refresh time	Minimum 1 second
Temperature range	-20°C to 50°C
Housing	Black crystalline polymer
Backplate	Stainless steel
Ingress protection	IP68
Altitude max. d'utilisa- tion	2000 m
Installation category	Class 2
Degree of pollution	4 (supports outdoor use)
Supported humidity	100 % - submerged operation
Internal power supply	Battery: 3.6V - 3 Ah Li battery (model: SAFT LS17500) replaceable in factory (5-year lifetime on factory set- tings)
External power supply	9V to 24V DC power supply required: min. 100 mA.
Weight	approx. 800 g (including cable)
Configuration	Wireless programming kit (SN: M0C0000x), via Modbus LOGV4 or LNUV4 detector or Bluetooth Low Ener- gy
Câble	10 m
Output	1 Modbus RS485 output 1 Open drain output Pulse / NC / NO
Connector type	<ul style="list-style-type: none"><li>• ISCO sampler connector: CSCV4-1610-ISCO</li><li>• Connectorless, 8-strand bare wire: CSCV4-110</li><li>• M12 8 pin connector: CSCV4-810</li></ul>

Applications		
<ul style="list-style-type: none"><li>• <b>Regulatory self-monitoring</b></li><li>• <b>Inspection of storm drain overflow volumes and durations</b></li><li>• <b>Wastewater &amp; rainwater</b></li></ul>	<ul style="list-style-type: none"><li>• PLC connection</li><li>• Flow meter connection</li><li>• Automatic water sampler</li><li>• Relay controllers</li></ul>	<ul style="list-style-type: none"><li>• Pump actuator</li><li>• Overflow time</li><li>• Capacitive values</li></ul>



Mounting kit: H0T00054 - Extension kit: H0T00056