

## Platon Flow Alarms For Glass VA DS1120



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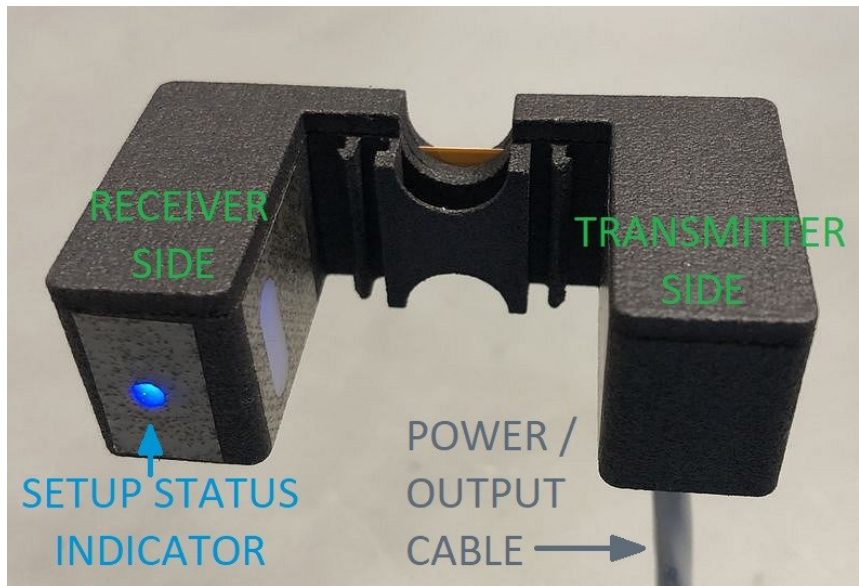
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### OVERVIEW

Platon Floscan is a sensor designed to detect rise or drop of a specified level of flow in a glass flowmeter through which a gas or liquid flows causing the float to move up or down when this flow changes. Depending on how the detector is set up after every power-up it will detect that the float either rises above or falls below the Trigger Point (shown later in this document). When an alarm triggers, the resistance between the white wire (Output) and the black wire (Common) is low. If the float moves back to the "no alarm" zone the resistance is high again.

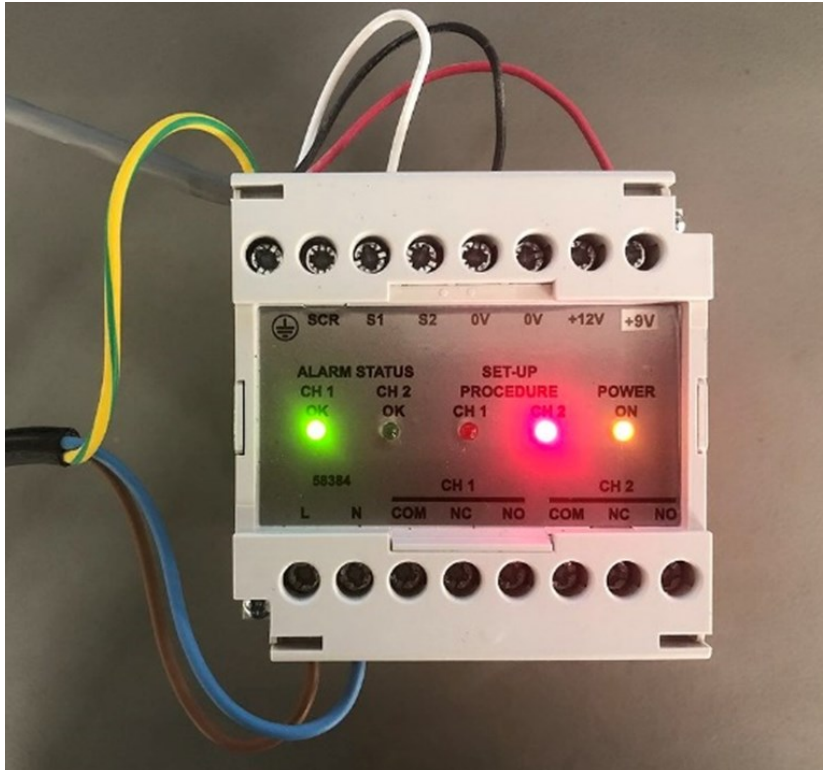
### SENSOR VIEW

Platon Floscan is a sensor designed to detect rise or drop of a specified level of flow in a glass flowmeter through which a gas or liquid flows causing the float to move up or down when this flow changes. Depending on how the detector is set up after every power-up it will detect that the float either rises above or falls below the Trigger Point (shown later in this document). When an alarm triggers, the resistance between the white wire (Output) and the black wire (Common) is low. If the float moves back to the "no alarm" zone the resistance is high again.

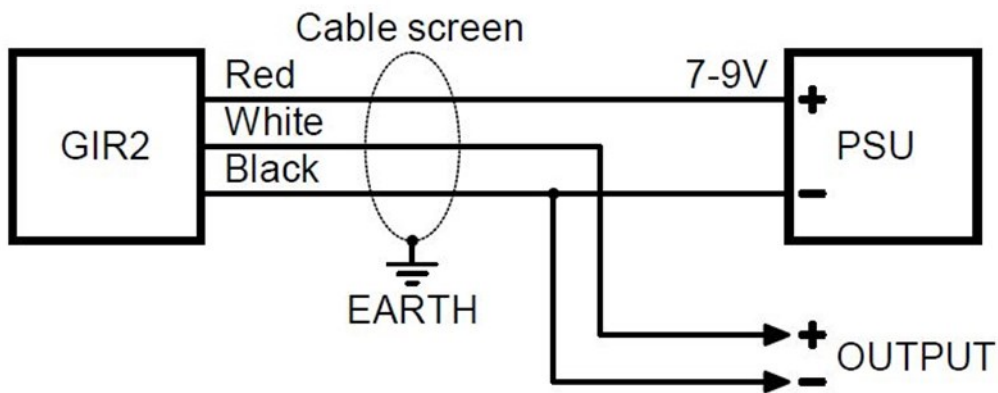


### SETUP

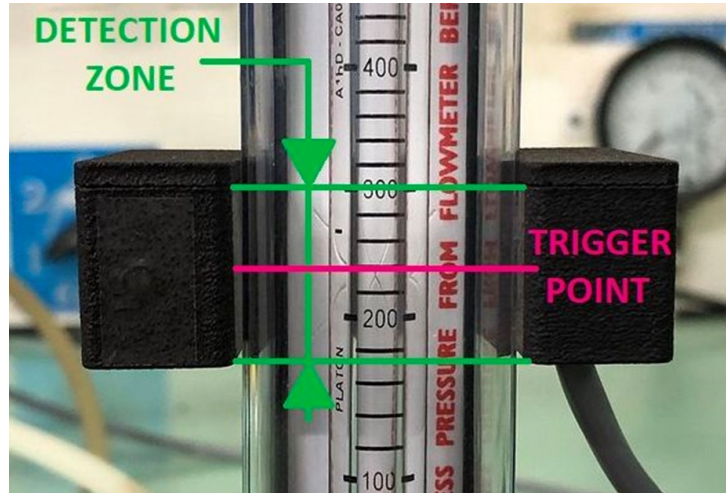
Connect 3 wires and the shield of the sensor cable to the Mains Interface Relay Module or to a regulated 9V power supply according to pictures below. Do not power it up yet.



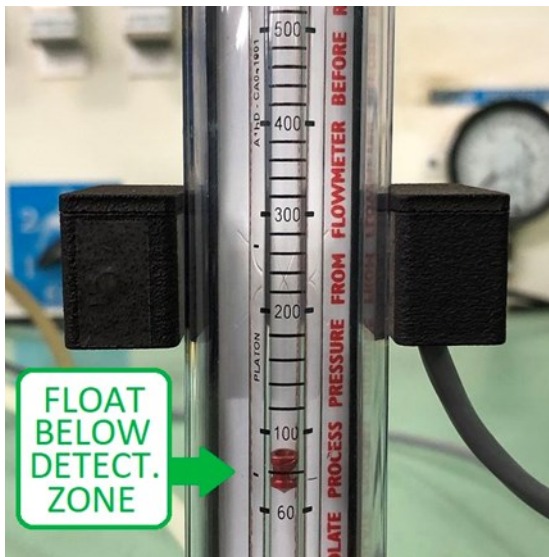
Make sure that the shield end of the sensor cable, that connects the SCR terminal, is as short as possible and that the screw is tightened firmly.



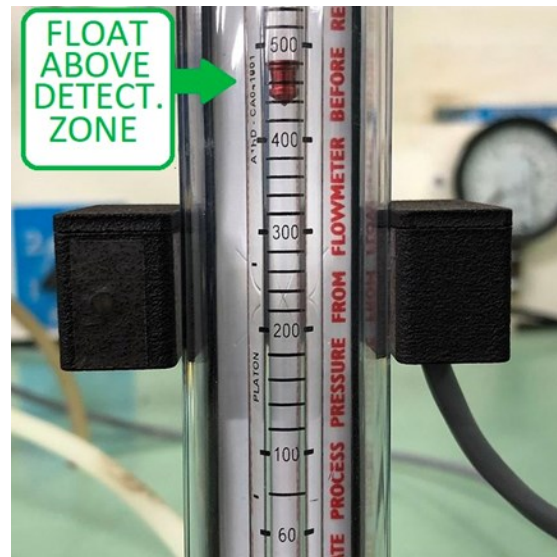
Position the detector on a flow meter at the desired height, so that the required flow meets the Trigger Point line, which is the middle of the Detection Zone.



Position the float below (above) the Detector Zone if it is to detect the flow rise (fall). First travel of the float through the Trigger Point line, after powering up, will set up the detector to the one of the above-mentioned functions.



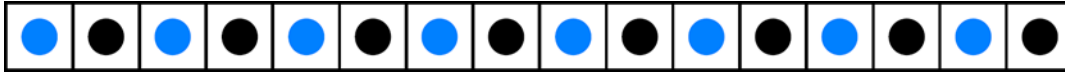
If a “high level alarm” is required, the float must be positioned below Detection Zone before powering up.



If a “low level alarm” is required, the float must be positioned above Detection Zone before powering up.

**Make sure that the Detection Zone is clear and the float is beyond it during calibration process that starts immediately after powering up.**

Power up the device. The blue status LED blinks fast for a few seconds, which means the detector is calibrating sensitivity.



Then the pattern changes to one of the following:

- Positive pulse – setup successful (pattern: short ON, long OFF).



- Negative pulse – setup unsuccessful (pattern: long ON, short OFF).



The calibration result is visible until the first detection occurs. Then the indicator shows the actual status of the detector output instead.

First travel of the float through the Trigger Point initiates the sensor and determines its function: high (or low) level alarm and remains unchanged as long as the unit is powered on.

### Notes:

- After powering up the device should not be moved on the flow meter, otherwise it may not work correctly, even if the calibration was successful.
- Unsuccessful calibration can be caused by a scratched or dirty surface, insufficient transparency of the flow meter or presence of the float (or any opaque object) in the Detection Zone during calibration. If the LED indicator shows a negative pulse, the detector may not work correctly.