

# Measures for chattering



We will introduce specific examples and countermeasures for those who have trouble with false alarms due to chattering when using the level sensor.

## What is Chattering?

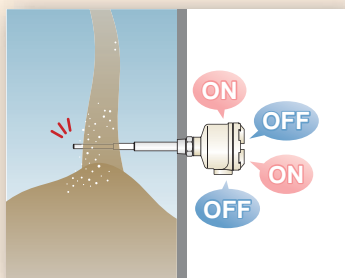


Chattering occurs when on / off is repeated finely when a switch or relay mechanism switches the on / off contacts.

If this phenomenon continues, the relay may be damaged, or control problems will occur by repeatedly turning the relay on and off.

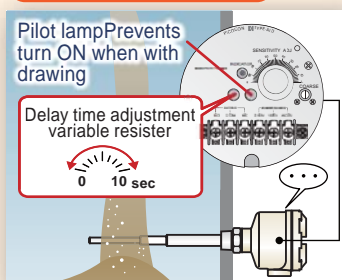
Listed are the following examples of significant chattering occurrences and countermeasures.

EX:1



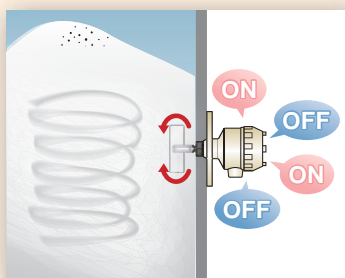
The media hits the main electrode directly and repeats ON-OFF.

Countermeasure 1



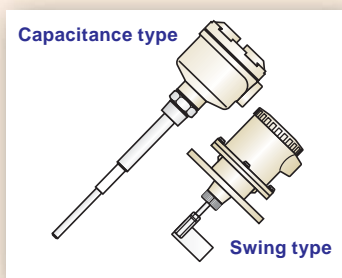
Since it hits the main electrode intermittently, it prevents the switch from turning on immediately by delaying the time.  
(it can be set up to 10 seconds)

EX:2



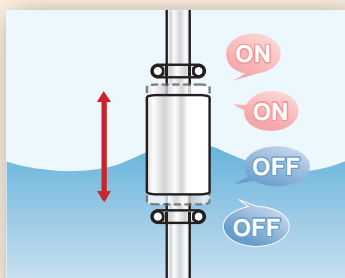
Due to the fluidity of the powder, the paddle swings from side to side and repeats ON -OFF.

Countermeasure 2



We recommend changing the model to swing type or capacitance type that is not affected by the fluidity of the powder.

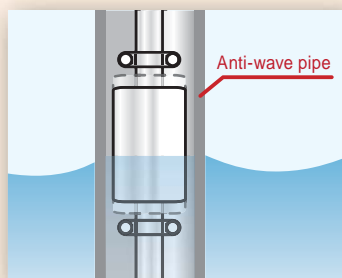
EX:3



The float moves up and down due to the waving of the liquid surface.

Model Float type, capacitance type, etc.

Countermeasure 3



Installing an anti-wave pipe the float will not be affected by waves.