

# Off-gas & Flammable Gas Detection for LIB

## REL-iON™

This diagram illustrates a possible implementation of our off-gas & flammable gas sensor inside rack based li-ion based UPS systems (LIB).

The whole setup is controlled through our Base Unit (BASE-PI-5 or BASE-PI-6) to which 2 units are connected: the DAISY-STARTER and the R-GAS-FLAMMABLE.

The Daisy Chain starter allows the connection of DAISY-VOC sensors for off-gas detection. We recommend to have 2 sensors per rack with one at the top and one in the middle.

The Flammable Gas sensor enables for the detection at a room level of flammable gas from thermal runaway as required by NFPA 855. The programmable relays of the unit are connected to the fire panel and a vent.

Off-gas detection alarms should signal a battery stop. Flammable gas should generate an alert to the fire panel

