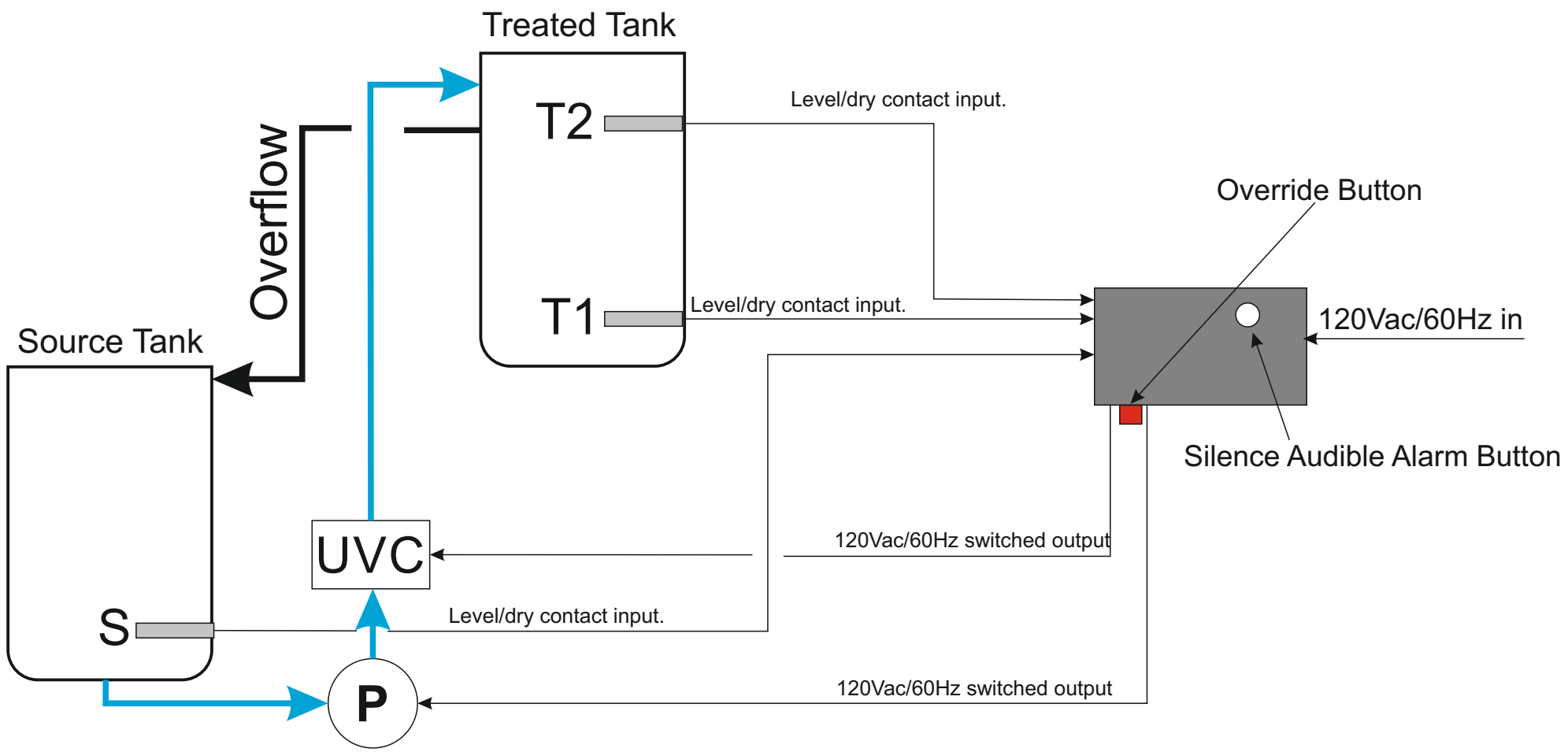
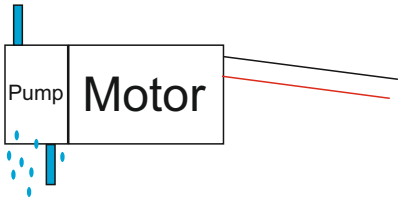
Aquaductor Ultraviolet Water Purification Controller

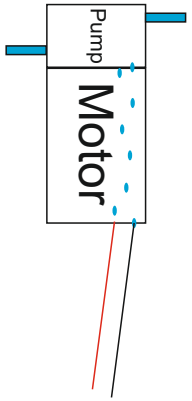


UVC is 16W, 120Vac/60Hz
Pump is 40W, 120Vac/60Hz. A 12dc pump can be used but a 120Vac to 12Vdc power supply needed.

Recommended pump mounting

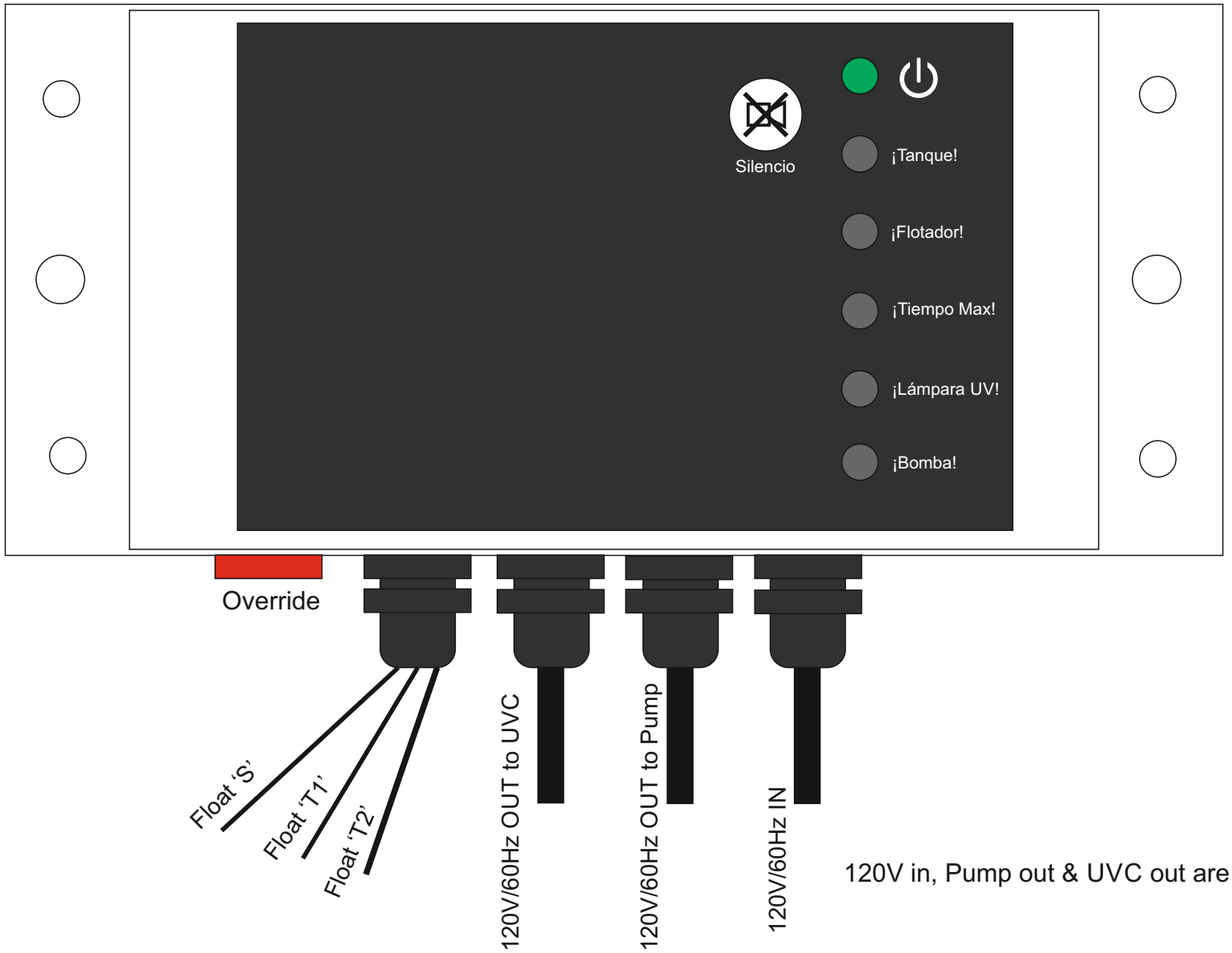


Any leaks run off the pump and cause minimal risk to the motor and wiring.



This orientation may be permissible but why would you choose it?

Aquaductor Provisional Enclosure Layout (Scale 1:1 approx)



120V in, Pump out & UVC out are 1m length leads.

The bottom of this enclosure arrangement MUST be mounted above the highest part of the water circuit, all cables must have drip loops. No part of the water circuit must be mounted above this control enclosure.

Suggested layout of main control cabinet.

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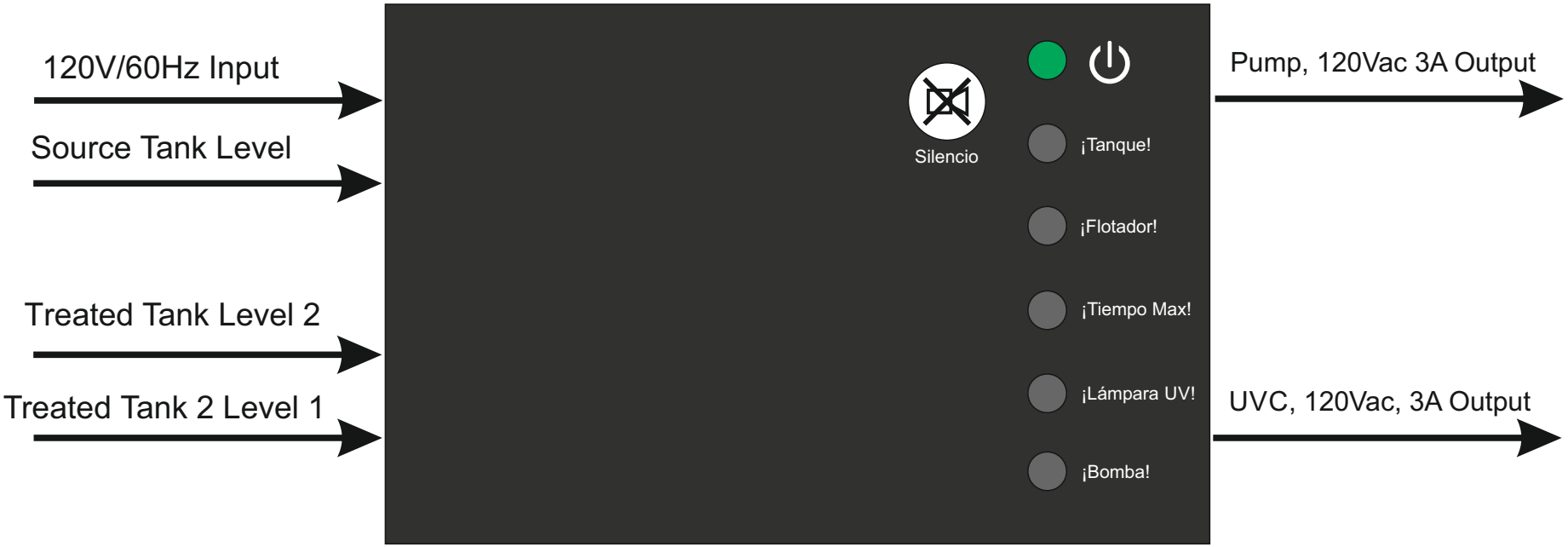
Normal (no alarms) running LED output status.



Enclosure, ABS, wall mountable sealed to IP66 to IP68.
Mains input is hard-wired lead
Pump and UVC outputs are hard-wired via cable glands
Water level inputs are via connectors, which can be made on-site.
Level inputs are from dry contacts on level switches.

System monitors current to UVC lamp & pump and alarms if either is on but no current flowing.
PCB has fuses on inputs and outputs.

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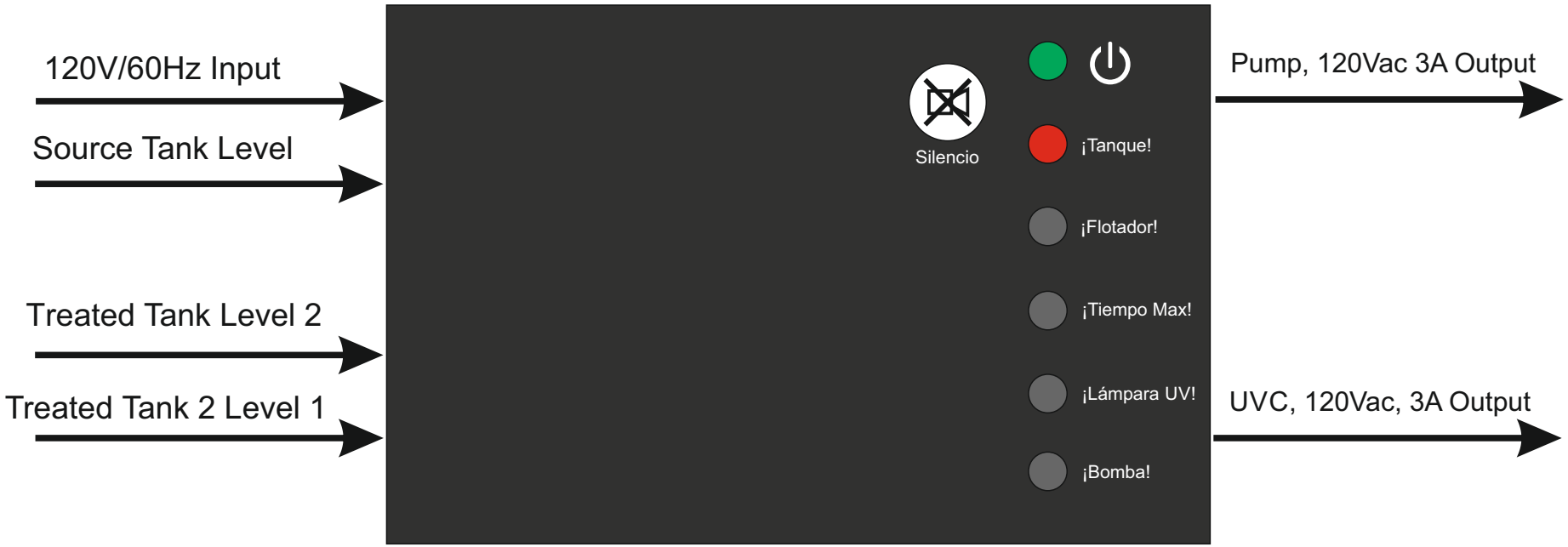
Source Tank Empty Alarm



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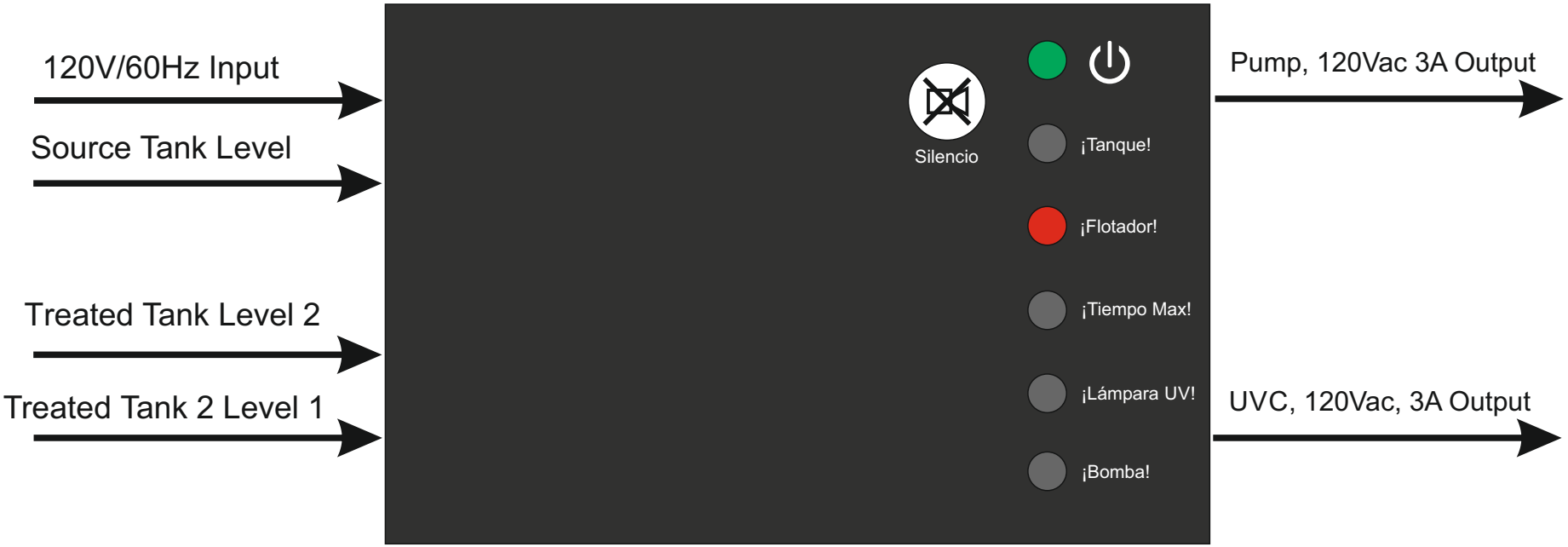
Float Error Alarm



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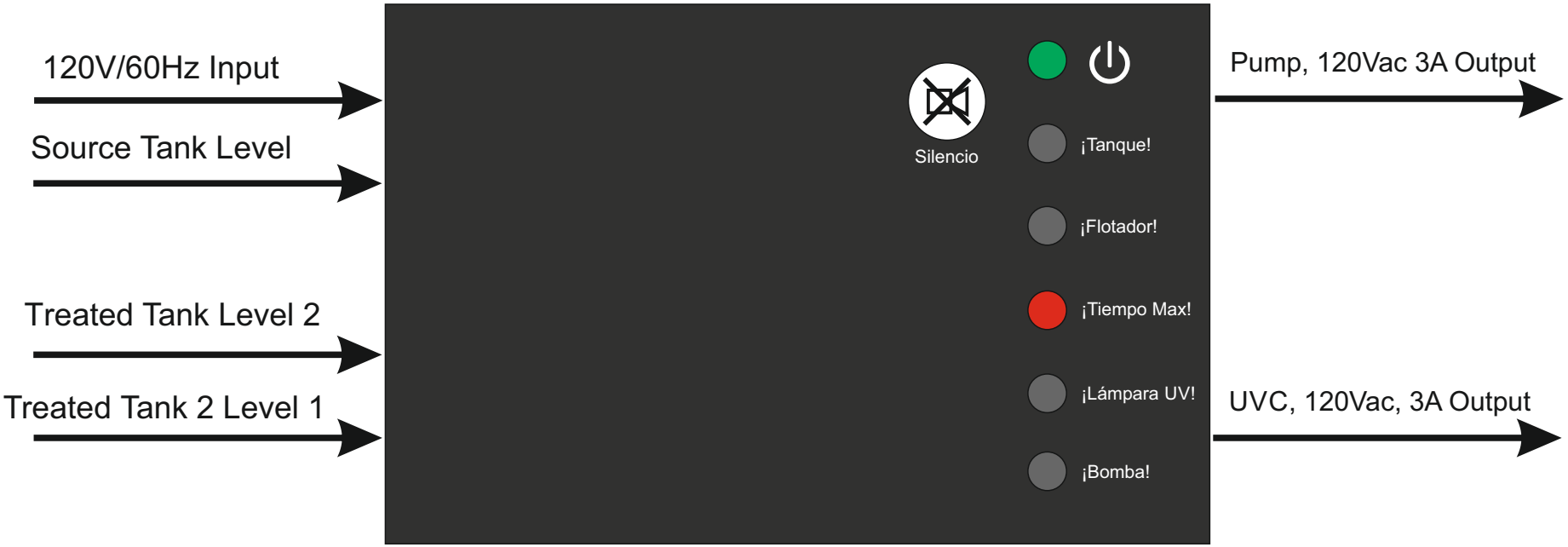
Maximum Runtime Exceeded Alarm



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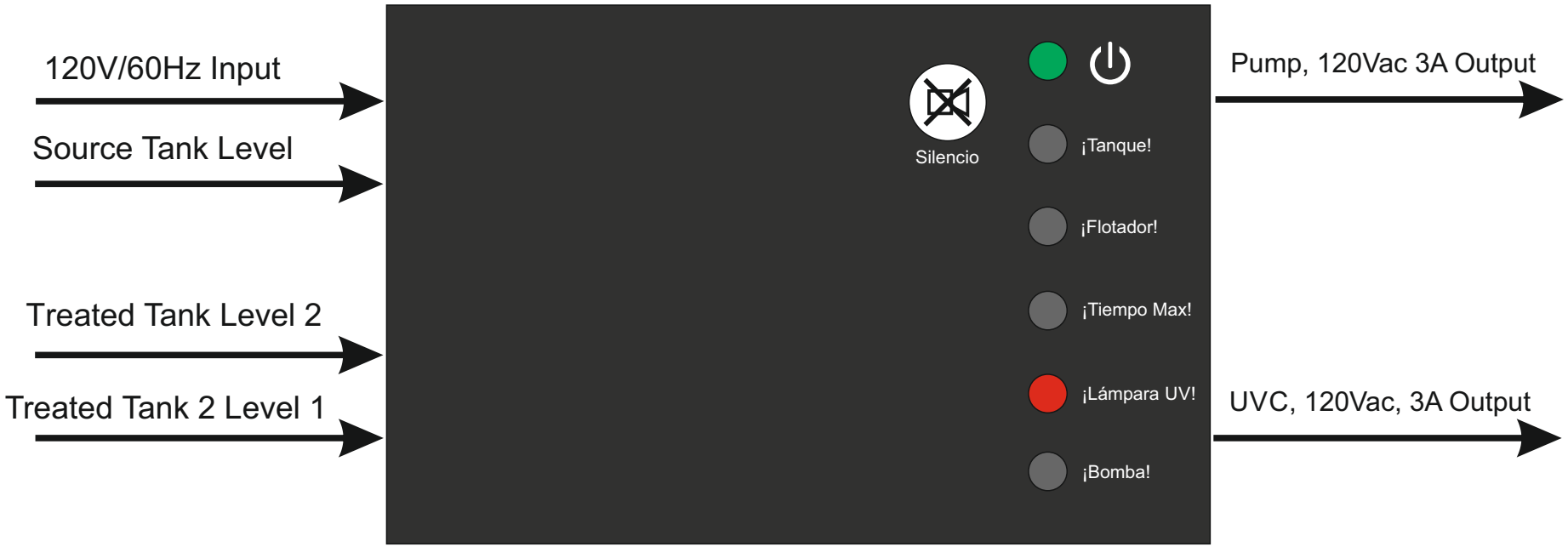
UVC Tube Fault Alarm



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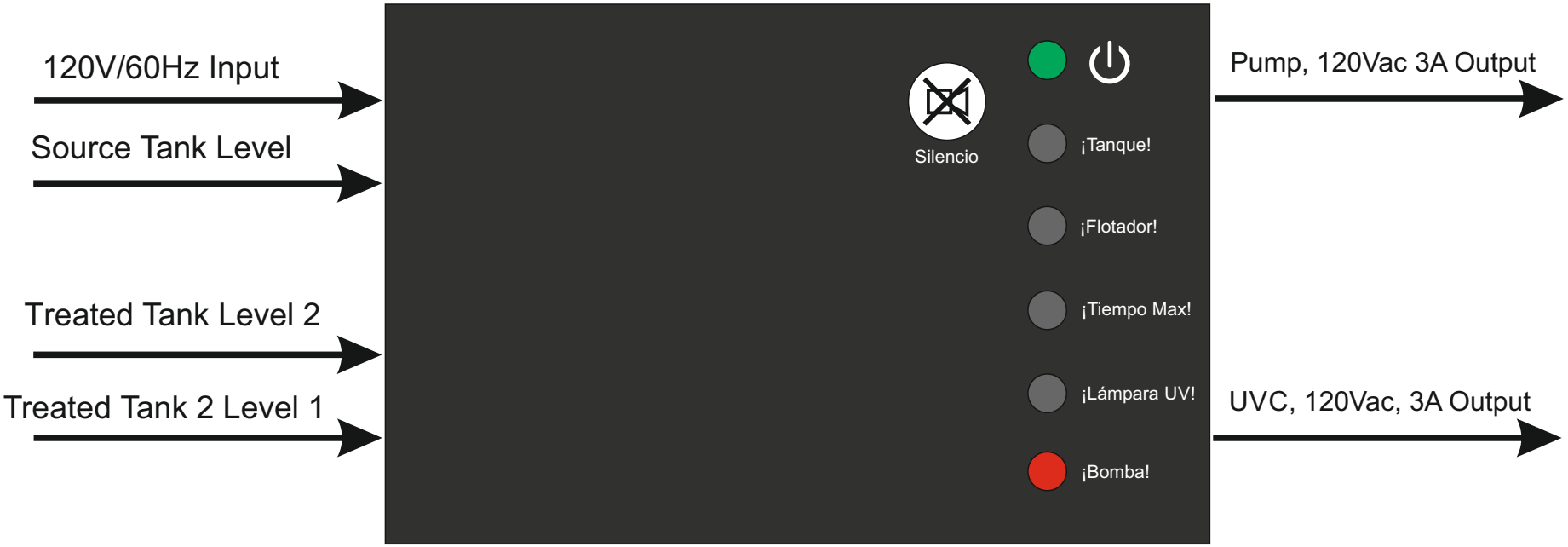
Pump Fault Alarm



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