

LC1 Installation Instructions

Installation Instructions

The LC1 is designed for panel mounting in a 92 mm × 92 mm cut-out.

1. Mark and cut a 92 mm × 92 mm square opening in the panel using the supplied template, then using the LC1, mark the four mounting hole positions.
2. Drill 4 × 2.5 mm fixing holes.
3. Tap the holes to M3 thread.
4. Secure the unit using the supplied M3 dome-headed bolts, with spring and flat washers.

Alternatively, the unit may be secured using the supplied self-tapping screws, with spring and flat washers.

⚠ Do not over-tighten the fixing screws. Excessive torque may damage the enclosure.

Wiring

When replacing an existing counter, there will be an existing pulse generation device for each channel.

- If one or either of the pumping systems uses a positive displacement pump, the sensor will likely be a proximity switch. It will be mounted near the pump to detect the 'fingers' of a target mounted between the drive motor and the pump. This can be a PNP or NPN proximity switch,.

See *Sensor Wiring* on rear of page for details.

- If the pumping system uses a centrifugal pump, there will likely be a flow turbine (for example a Rotor flow sensor). Wire this as shown in the sensor wiring section.

NOTE: that the sensor voltage may be listed as 5v-24v Max. in this case, set the sensor voltage to 5v as described in the Setting Sensor Voltage section of the user manual. (<https://liquicount.co.uk/User-Manual/>)

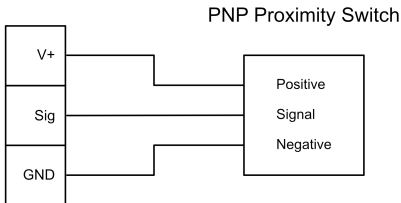
- For new installations where no existing sensors exist, pulse devices will be required. If help is required with flow sensors, please contact LiquiCount for help enquiries@liquicount.co.uk

Wiring Diagram

The device must only be powered from a 12–28V DC SELV (Safety Extra Low Voltage) supply.

Sensor Wiring

The counter requires positive input pulses from PNP proximity switches or similar.

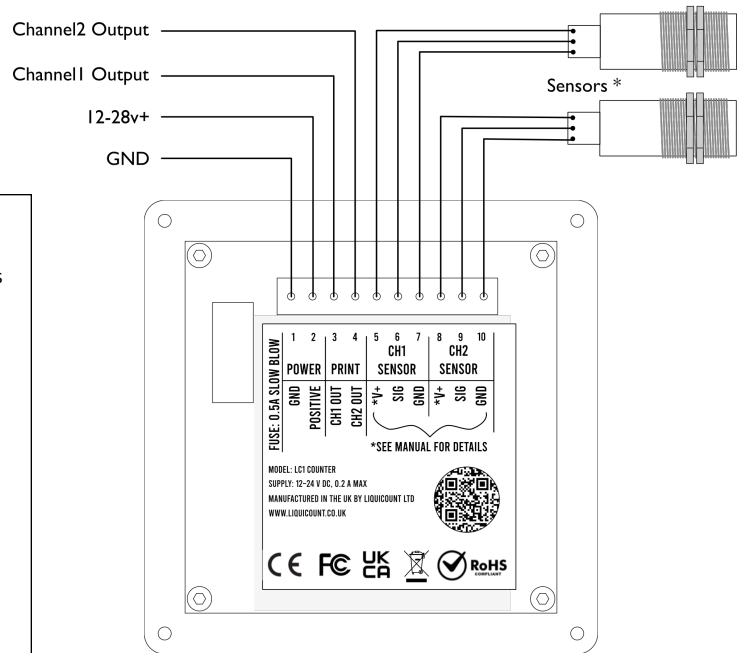


PNP Proximity Switch

Common colours

- Brown +
- Blue GND
- Black Sig

For NPN, 2 Wire NPN Proximity Switches and Turbine Flow Meter information, visit:
<https://liquicount.co.uk/Installation-Instructions>



To access the user manual, use this QR code.

