LPG Logger 4G NB-IoT/CAT-M1 Installation Guide

Thank you for purchasing the Tekelek LPG Logger 4G NB-IoT/CAT-M1 which is an ATEX certified multipurpose data logger which communicates data to a remote server, suitable for monitoring fuel tanks levels and flow rates.

Safety Information:

The LPG Logger is ATEX compliant, but if installing in a harsh, environment first check local applicable regulatory and safety guidelines to ensure installer security. Please refer to the User Manual for more information on the warnings and hazards.
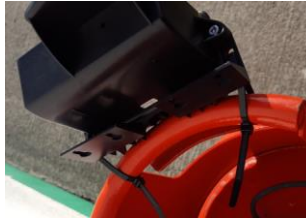
STEP 1: Installation

The LPG Logger works in conjunction with a remote server and before installation must first be registered to this. Access to the backend server is required to verify that the unit has correctly joined the network.
The following outlines the LPG Logger mounting options.

- **Adhesive Strips – Horizontal mounts:**
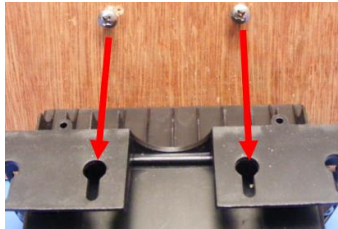
- **Cable Ties – Handle mount:**

- **Cable Ties – Horizontal mount onto pipe:**

- **Cable Ties – Vertical mount onto pipe:**

- **Screws – Wall mount:**

- **Screws – Wall mounted from the rear:**

STEP 2: Activation

Hold the supplied magnet to the indicated hot spot on the LPG Logger, 4 short beeps will be heard approx. one second apart, these will be followed be a long beep which indicates that the logger has been activated and will now attempt to connect to the network.

- A series of beeps will be heard. This indicates the logger is registering onto the network.
- Upon successful registration to the network the logger will attempt to initiate a connection to the server, details of which have been preconfigured in the logger. This is indicated by higher pitched beeping.
- The successful activation of the unit is indicated by two successive short beeps two seconds apart. Once the logger has successfully connected, the server must issue the required commands to the logger to complete the activation process.

STEP 3: Beep Pattern

Beep Pattern	Definition
Low beep once per second	Network Registration
High beep once per second	Network Registration
Low beep once every 4 seconds	Network / TCP Listen
Low beep once every 2 seconds	Re-establish Network / TCP
High / Low combination beep	Incoming Data
Low / High combination beep	Outgoing Data
Low double-beep every 4 seconds	Network Listen (Data Received & Unit Active)
Low double-beep every 2 seconds	Re-establish Network
High double-beep every 4 seconds	TCP Listen (Data Received & Unit Active)
High double-beep every 2 seconds	Re-establish TCP

STEP 4: Fitting gauge

- Where applicable, remove existing gauge from the LPG tank by loosening and removing the screws holding the gauge in position.

- Place the new gauge of the LPG Logger onto the LPG tank and secure with screws.

For more information on the Tekelek LPG Logger 4G NB-IoT/CAT-M1 please visit our website www.tekelek.ie where a link to our YouTube page can also be found.

9-5940-03