



LGSB Installation Manual

PN 880-0078-001 Rev A00



Document Information

Title:	LGSB Installation Manual
Version:	A00
Created:	11/1/11
Last Modified On:	11/2/11
Author:	
Technical Lead:	
Contributors:	

Revision History

Version	Date	Author	Comments
0.1	11/1/11	ECP	<ul style="list-style-type: none">Initial draft, from 880-0023
A00	11/2/11	ECP	<ul style="list-style-type: none">Minor Edits

Reviewers

Reviewed By	Title	Date Reviewed



Table of Contents

1. Introduction	1
2. Supported Products	1
3. Maintenance	1
4. Product Labeling	1
4.1 PRODUCT IDENTIFICATION	1
4.2 FCC IDENTIFICATION	2

Table of Figures

FIGURE 1. PRODUCT IDENTIFICATION LABEL	2
FIGURE 2 FCC LABEL LGSB	2



FCC Information

Changes or modifications not expressly approved by Mueller Technologies, LLC could void the user's authority to operate the equipment.

IMPORTANT NOTE: To comply with FCC RF exposure compliance requirements, the antenna used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

"NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

1. Introduction

The Mueller Systems LGSB SmartMeter is intended for indoor & outdoor use as an unattended automatic metering Infrastructure (AMI) & control device. The LGSB SmartMeter product consists of a Landis+Gyr Focus solid state electric meter and Mueller Systems radio. The LGSB SmartMeter is fully self-contained with no user accessible controls.

The SmartMeter interrogates the ANSI C.12 register set in Focus solid-state electric meters from Landis + Gyr. Its main function is to obtain energy consumption, negative consumption, and voltage readings for billing, distribution monitoring, fraud detection, and conservation purposes.

Meter reading interval is remotely settable. Information retrieved from the meters registers is temporarily stored within the LGSB SmartMeter solid-state memory. On a specified interval, the LGSB SmartMeter will automatically transmit this information to the Mueller AMI server via other meters or a MiHUB using the Radio Frequency (RF) network. The Mueller AMI server analyzes and archives the readings.

The LGSB SmartMeter uses SuperCapacitors to support transmission of power failure messages and to maintain the time of day clock. The SmartMeter does not use any internal batteries eliminating need for field service.

The contents of this installation manual are intended for technically qualified personnel of energy distribution utilities who have been trained and are technically qualified in basic electrical principles, including safety procedures for installation of energy meters.

The installer should refer to the latest edition of the Landis+Gyr "FOCUS kWh Solid-State Meter Technical Manual" for physical installation, wiring, and safety precautions.

2. Supported Products

The LGSB SmartMeter product only supports the 2S Class 200 form.

3. Maintenance

There are no user serviceable items within a SmartMeter. No cleaning is required.

4. Product Labeling

4.1 Product Identification

This label is affixed to the face of the SmartMeter meter.



Figure 1. Product Identification Label

4.2 FCC Identification

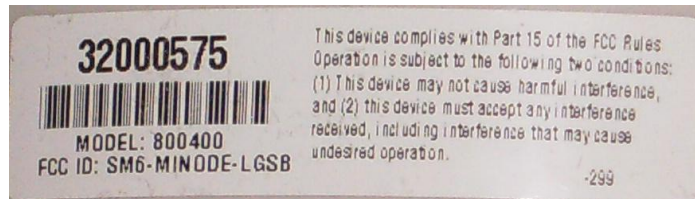


Figure 2 FCC Label LGSB