Landis & Gyr Telegyr 8979F Slave Communication Module
MVI56-LNG

The MVI56-LNG module is the perfect solution for existing Landis and Gyr Telegyr (8979 Rev. F) master devices requiring Rockwell Automation ControlLogix platform integration. Industries and services that benefit from this integration include:

- *Power and distribution applications*
- *Energy Management Systems*
- *Water and Gas Applications*
- *Substation Automation*

How to Contact Us: Sales and Support
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Landis & Gyr Telegyr 8979F Slave Communication Module

MVI56-LNG
The MVI56 Landis & Gyr Telegyr Slave Communication Module is a ControlLogix backplane compatible module that allows ControlLogix processors to interface easily with Telegyr Master host devices. SCADA systems supporting this application are commonly found in the power utility industry.

Features and Benefits
The MVI56-LNG module acts as a communication gateway between the Telegyr 8979 Rev. F version of the protocol and the ControlLogix backplane. The module functions as a Telegyr slave, receiving commands from the host. Data transfer between the module and the processor is asynchronous to the Telegyr network, with the module's internal database being used to exchange data between the processor and the Telegyr network.

General Specifications
- Single Slot – 1756 backplane compatible
- Local or remote rack
- The module is recognized as an Input/Output module and has access to processor memory for data transfer between processor and module
- Ladder Logic is used for data transfer between module and processor.
- Configuration data obtained through user-defined ladder. Sample ladder file included

Hardware Specifications

Specification	Description
Backplane Current Load	800 mA @ 5 V
Operating Temperature	0 to 60°C (32 to 140°F)
Storage Temperature	–40 to 85°C (–40 to 185°F)
Shock:	30g Operational
	50g non-operational
	Vibration: 5 g from 10 to 150 Hz
Relative Humidity	5 to 95% (non-condensing)
LED Indicators:	Module Status
	Backplane Transfer Status
	Application Status
	Serial Activity

inRAx

Specification	Description
Debug/Configuration port (CFG)	
CFG Port (CFG)	RJ45 (DB-9M with supplied cable)
	RS-232 only
Application ports (PRT1 & PRT2)	
Full hardware handshaking control, providing radio, modem and Multi-drop support	
Software configurable communication parameters	Baud rate: 110 to 115,200 baud, depending on protocol
	RS-232, 485 and 422
	Parity: none, odd or even
	Data bits: 5, 6, 7, or 8
	Stop bits: 1 or 2
	RTS on/off delay: 0 to 65535 ms
App Ports (P1,P2) (Serial modules)	RJ45 (DB-9M with supplied cable)
	RS-232 handshaking configurable
	500V Optical isolation from backplane
Shipped with Unit	RJ45 to DB-9M cables for each port
	6-foot RS-232 configuration cable

Functional Specifications

The MVI56-LNG module supports the Landis & Gyr Telegyr 8979 Rev F slave protocol to the following specifications:

- Supports two serial ports emulating the protocol, each individually configurable for:
  - o Slave Address
  - o Communication parameters
  - o Timing

- The module supports a database common to both serial ports. The supported point types and their maximum point counts are:
  - o Binary Input: 800 points
  - o Binary Output: 800 points
  - o Analog Input: 300 points
  - o Analog Output: 50 points
  - o Accumulators: 50 points
  - o Indication Points: 800 points

Supported Function Codes

Code	Description
0	Analog Change Report
1	Analog Force Report
2	Analog Group Change Report
3	Analog Group Force Report
5	ADC Reference Force Report
6	Indication Change Report
7	Indication Force Report
11	Digital Input Force Report
12	Accumulator Change Report
13	Accumulator Force Report

Code	Description
20	Analog Report
21	SBO Select
22	SBO Operate
23	Digital Output
24	Accumulator Freeze
25	Pulse Output
26	Pulse Train Output
30	Restart RTU
31	RTU Configuration
32	Time Synchronization
34	Analog Deadbands
35	Analog Group Define
36	Accumulator Preset
37	Continuation Request
38	Repeat Last Message
39	Firmware Configuration

Additional Products

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