

Rev. 08/06/13

Features & Options

- Interfaces Directly with Specified ALC, LGR controllers
LGR25, LGR250, LGR-1000, ME-LGR25, ME-LGR200, ME812u-LGR
- Multiple Communication Options, Including Ethernet (TCP/IP) and RS232 Serial
- Ethernet Communication Uses Dynamic HTML for Direct LGR Interface
- Serial Communication Uses Simple ASCII Command/Response Protocol
- Each Point Manager Supports Up To 100 Input Sensors

The Point Manager receives RF signals from the wireless sensors and communicates with LGR controllers via Ethernet TCP/IP. The communication between the LGR and the Point manager is through an ALC written software driver available as a download from ALC. The TCP/IP has a built in HTML web page server and can output point status using XML over an Ethernet LAN or the Internet using either DHCP or fixed IP addresses.

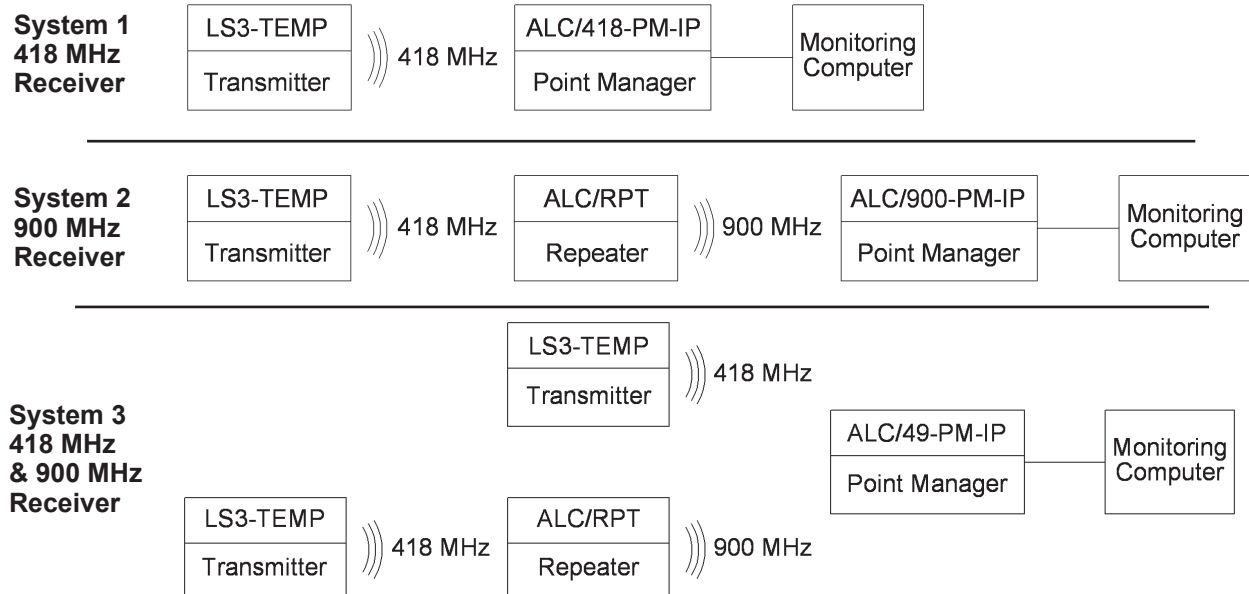


418 MHz or 900 MHz Point Manager

Ordering Information

ALC/418-PM-IP Point Manager Rx-418 MHz only, with 6.5" dipole 6' extendable antenna
ALC/900-PM-IP-EA.. Point Manager Rx & Tx-900MHz, with 3.9" dipole 6' extendable antenna
ALC/49-PM-IP-EA.... Point Manager Rx-418 & 900 MHz, & Tx-900 MHz, 6.5" dipole 6' extendable antenna and 3.9" dipole 6' extendable antenna

Wireless System Block Diagrams



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Point Manger Specifications

Power:..... 6 to 12 VDC, 600mA @9VDC, 5mm plug

Transformer:..... Plug-in 120VAC-9VDC (included), 1.87"W x 2.87"L x 1.6"H

Battery:..... CRC2032, 3VDC Lithium (included)

Memory:..... Backed up 6 years via battery

Indicators: Red LED - Power & reception activity / Green LED - Ethernet link

Cable:..... Cross over 6' Ethernet w/RJ45 at each end (included)

Communication Ports:

RJ45 Ethernet:..... TCP/IP used for WEB Browser interface, Built in HTML web page server, DHCP or static IP addressing

Terminals: RS485, not used

9 pin male D-plug: ... RS232 used for serial comm. to computer

Communication Connections:

RJ45: Standard 4 pair color code

RS485:..... 4 connections, not used

9 pin D-plug: 3 Pins used- 2 Tx, 3 Rx, 5 GND

Reset Button: Restarts reception/transmission

Error Correction: CRC 16

Capacity/Unit: 100 Input sensors

Frequency: ALC/49..... 418MHz and 900MHz, North America

ALC/418..... 418MHz, North America

ALC/900..... 900MHZ, North America

Antenna: Thread-on connection

ALC/418..... 6.5" dipole with 6' cable

ALC/900..... 3.9" dipole with 6' cable

ALC/49..... 6.5" & 3.9" dipoles w/ 6' cables

Note: Mount Antennas 2 feet apart

Ambient: 32 to 150°F (0 to 70°C), 0 to 95% RH non-condensing

Typical Line of Site Tx to Rx Reception:

418MHz900ft

900MHz2500ft

Typical Indoor Tx to Rx Reception (no obstructions):

418MHz100ft

900MHz300ft

Transmitter (Tx) Power:

900MHz100 mW

Receiver (Rx) Sensitivity:

418MHz112dBm

900MHz110dBm

Compatible Controllers:

LGR25, LGR250, LGR-1000, ME-LGR25, ME-LGR200, ME812u-LGR

ALC SW Driver: Download from ALC website, drv_melgr_pointsix_<Latest Version>.driver

ALC Communication: Ethernet, RJ45

Direct to computer.....Crossover cable

LAN/HUB/Switcher.....Straight through cable

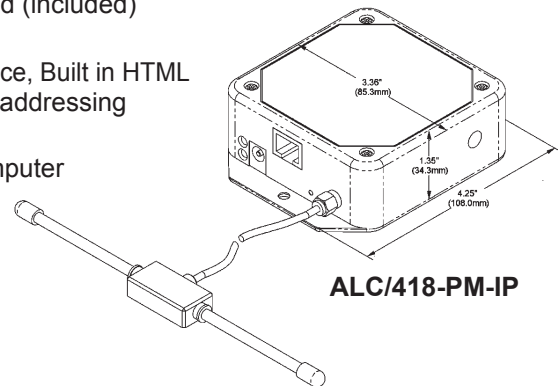
ALC Device Limit: Up to 10 Point Managers

Interface literature: ALC – Point Six Integration Guide; Point Six – Point Manager Manual

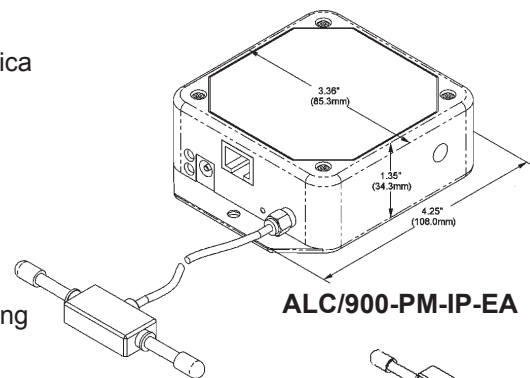
Default IP Address:

IP..... 192.168.1.55 Net Mask...255.255.255.0

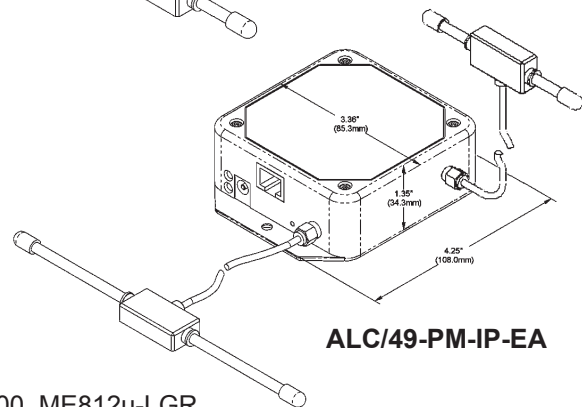
Gateway... None Port..... 1000



ALC/418-PM-IP



ALC/900-PM-IP-EA



ALC/49-PM-IP-EA