G Series Version 4 Security Control Panel with RPS

Course Title: G Series Version 4 Security Control Panel with RPS

Duration: 4 Days

Target Audience: Installation, Service, Project Managers

Total Attendees: 8

Objectives: Upon successful completion of this course the participant should be able to:

- Identify the capabilities and differences of G Series Control Panel models and appropriate applications for each model as it relates to GV4
- Identify and discuss the function of compatible GV4 peripherals, including new GV4 exclusive modules
- Wire and properly install a GV4 Control Panel, identify and properly install compatible panel peripherals
- Install and utilize the Remote Programming Software (RPS) to program and run diagnostics on a GV4 Control Panel

Prerequisites: All students must pass the G Series Basics eLearning Course. This course will introduce you to the G Series Control Panel basics and panel peripherals to prepare you for the classroom training.

Also recommended for this training course: working knowledge of the basics of Microsoft Windows operation, hands-on experience using troubleshooting equipment, including: multimeters, wire strippers, and screw drivers.

Course Content:

Module 1: Overview of Main Features

- Security System Basics
  - Intrusion
  - Fire
  - Access
- Control Panel Features
  - Control panel models
  - Control panel capabilities
  - Programming options
  - Firmware update options

Module 2: RPS Overview and Installation

- What is RPS and what can it do?
- System requirements to run RPS
- SQL
- RPS security dongle
- RPS connections
- RPS upgrades
- Creating operators, panels, and templates

Module 3: Terminals and Board Components

- GV4 faceplate
- GV4 LEDs
- Molex connections
- Phone circuit
- Reset Pin
- On-board Buzzer (Piezo)
- Ground Fault Pin
- Panel upgrade
- GV4 Terminals and terminal connections
- Power requirements
- Battery calculation tool

Module 4: SDI Devices

- Types of keypads
- Basic user commands
- Network Interface Modules
  - Hardwire
  - Wireless
- RS232 modules
- D9210C Door Access Module
- Printer module

Module 5: SDI2 Devices

- B208 Octo-Input
- B308 Octo-Output
- B420 Network Interface Module
- B520 Auxiliary Power Supply Module
- B820 Inovonics Interface Module

Module 6: Zonex BUS Devices

- Wired point expanders
  - POPEX
  - POPIT
  - Octo-POPIT
  - MUX
- Wireless point expanders
- Expanded outputs
  - MUX Outputs
  - Octo-Relay

Module 7: Access Control

- D9210C Door Access Module
- Programming Access Control in RPS
- Keypad Programming: Access Control

Module 8: Fire Devices

- D928 Dual Phone Line Switcher
- D122 Dual Battery Harness
- D192G NAC Module
- SDI Splitter (ICP-SDI-9114)
- D125B Dual Class B Initiating Module
- D129 Dual Class A Initiating Circuit Module
- D185 Reverse Polarity Signaling Module
- D8130 Door Release Module
- D130 Auxiliary Relay Module
- F220 Series Detectors
- D8004 Transformer Enclosure

Module 9: RPS Parameters and Real World Application

Assessment:
Written Assessment: 50%
Hands-on Practical: 50%