Gallagher Perimeter Z20 Disturbance Sensor Course - G18210

Course Prerequisites and Requirements

Introduction

This document presents the structure and processes of Z20 Disturbance Sensor training in the Gallagher Command Centre. The order reflects near “Real World” configurations when commissioning Z20 Sensors.

The intended audience for this course are:

- Perimeter Fence Installers
- Networked Perimeter Technicians
- Access Technicians
- Access Engineers
- Access Integrators

Note: The Z20 Disturbance sensor installer course is a one day course covering the following procedures and skills. Training procedures include the correct configuration of the Gallagher Command Centre and Z20 sensors

Goals

The Z20 training based on this outline will introduce the Z20 Sensors, their installation and configuration. The program will give attendees the confidence to plan the layout of a site taking into account environmental situations. They will demonstrate the skills needed to successfully install and configure a Z20 sensor network using Command Centre and a 6000 Controller.

Outcome

- Accredited as a “Competent Z20 Disturbance sensor installer”
- System design and understanding of logging / configuration of the Z20 sensor
- Understand the importance of correct mounting and wiring procedures

Intended Audience

- Perimeter Fence Installers
- Networked Perimeter Technicians
- Access Technicians
- Access Engineers
- Access Integrators

Prerequisites

Prerequisite:

- Must be a certified Gallagher channel partner or nominated by a certified Gallagher Channel Partner
- Attendees will require good computer skills

Modules

- **Overview**
  - Z20 Sensor applications
  - Correct mounting of Z20
- **Site survey and hardware**
  - Survey a site
  - Calculating voltage drop of Z20 runs
- **Wiring**
  - Constructing an Z20 wiring loom
  - Wire loom testing procedures
- **Testing your structure**
  - Procedures for testing fence structures for noise response
- **Environment logging**
  - C10 node addressing

    - C10 environmental noise logging
    - Analysing data gathered from environment noise
- **Configuring Z20 in Command centre**
    - Configuring command centre for Z20 Sensors
    - Using data gathered from logging to calibrate Z20 sensors to the environment
    - Testing and confirming the correct calibration
- **Fault finding**
    - Voltage testing to confirm correct voltages
    - Viewing the MBUS communication error statistics

At the completion of this training, attendees will have the ability and confidence to design and install Z20 Disturbance Sensor applications.
Attendees will have the ability to configure Z20 sensors using data collected from environmental logging.
They will understand system relationships and be able to manipulate systems to support client requirements.