Z20
Disturbance Sensor

The Z20 Disturbance Sensor heightens perimeter security through intelligent detection of vibration or movement of the fence structure. Alarms are generated when disturbance meets predefined criteria.

The Z20 Disturbance Sensor provides perimeter detection suited to a wide range of security applications. From multi-technology, layered, security solutions which are fully integrated with Gallagher Command Centre, to simple perimeter systems requiring an uncomplicated form of detection, the Z20 Disturbance Sensor provides superior security detection.

Features and benefits:

- **Cost effective** - sensors can retrofit to existing structures.
- **Compatible** – works with both electric and non-electric fencing systems.
- **Highly configurable** - adjustable sensitivity allows for user-defined detection parameters which can be individualized for each sensor.
- **Intelligent** – high integrity detection with low nuisance alarm rates.
- **Simple** – quick and easy installation, sensors fit to both curved and flat surfaces, low maintenance.
- Intelligent live view of sensor data to simplify configuration*

Advanced alarm processing software

Alarm processing software for the Z20 Disturbance Sensor eliminates the impact of environmental factors, including changes in temperature, structural noise, or disturbances caused by weather. Detection parameters are user defined to achieve the best balance between probablity of detection and nuisance alarm rate.

- Parameters on individualized sensors account for differences within the structure and localized sensitivities.
- Sensors can be uniquely identified so event locations are quickly pinpointed.

*requires Command Centre v8.10 or later



Configurable parameters

The following parameters are configurable within Command Centre for Z20 Disturbance Sensors:

- Dynamic threshold
- Tilt threshold
- Dynamic count threshold
- Dynamic hold time
- Dynamic memory length
- Maximum event count
- Alarm latch duration

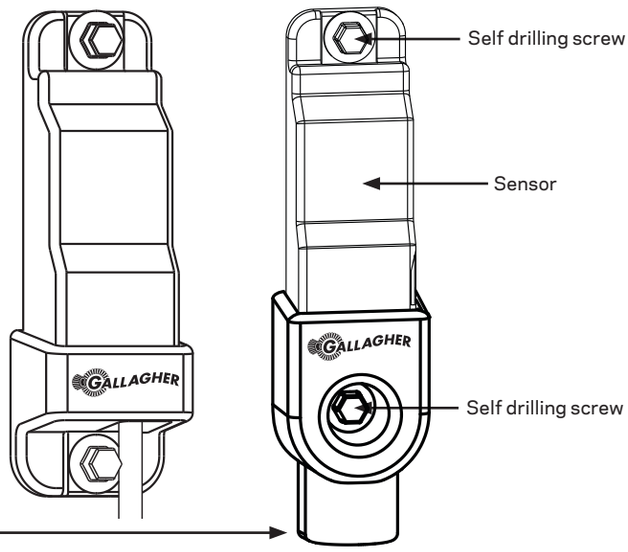
Contact your Gallagher representative to find out more about the configurable parameters of the Z20 Disturbance Sensor.

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Applications:

The Z20 Disturbance Sensor can be installed on structures and objects including:

- Gallagher Electric Security Fences
- Fences
- Walls
- Cladding
- Safes
- Vaults
- Rooftops
- Ceilings
- Statues
- Paintings



Mount Clamp G12914
Included with sensor as standard.

Conduit Clamp G12918
Optional product that provides additional protection to the cable by allowing 20mm conduit to be used.

Technical Specifications

Part numbers					
G12915	Z20 Disturbance Sensor	G12918	Conduit Clamp	G12916	Conduit Clamp (Pack of 10)
G12917	Z20 Disturbance Sensor + Conduit Clamp (Pack of 1)	G12914	Mount Clamp		

Gallagher Z20 Disturbance Sensor	
Dimensions (W x H x D)	40mm x 119mm x 24mm (1 5/8" x 4¾" x 1")
Mount	Mounted using Mount Clamp and 2 screws (included with sensor) at 103mm (4 1/16") pitch
Colour	Matte black and charcoal
Voltage	10 - 24 VDC
Current	9.5mA
Operating temperature	-20° to +70°c (-4° to +158°F)
INTEGRATION	
Gallagher Command Centre	Version 6.02 or later
Controller support	Gallagher Controller 6000
Number of sensors per Controller	Up to 64 (32 per communication line)

System components	
C30010X	Controller 6000
G10517	Gel-filled Wire Crimp Connector
G10520	Wire Splice External Shell
C303901	External Gallagher HBUS Cable (Recommended)
G10600	Cat 5e External Cable
G12812	A10 (Z20 Sensor programmer)

This product is approved by the Australian Government Security Construction & Equipment Committee (SCEC). Contact your local Gallagher representative for information.

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