

intelligent secure pulse effective deterrent alarm  
intelligent secure deterrent alarm



## Trophy 6

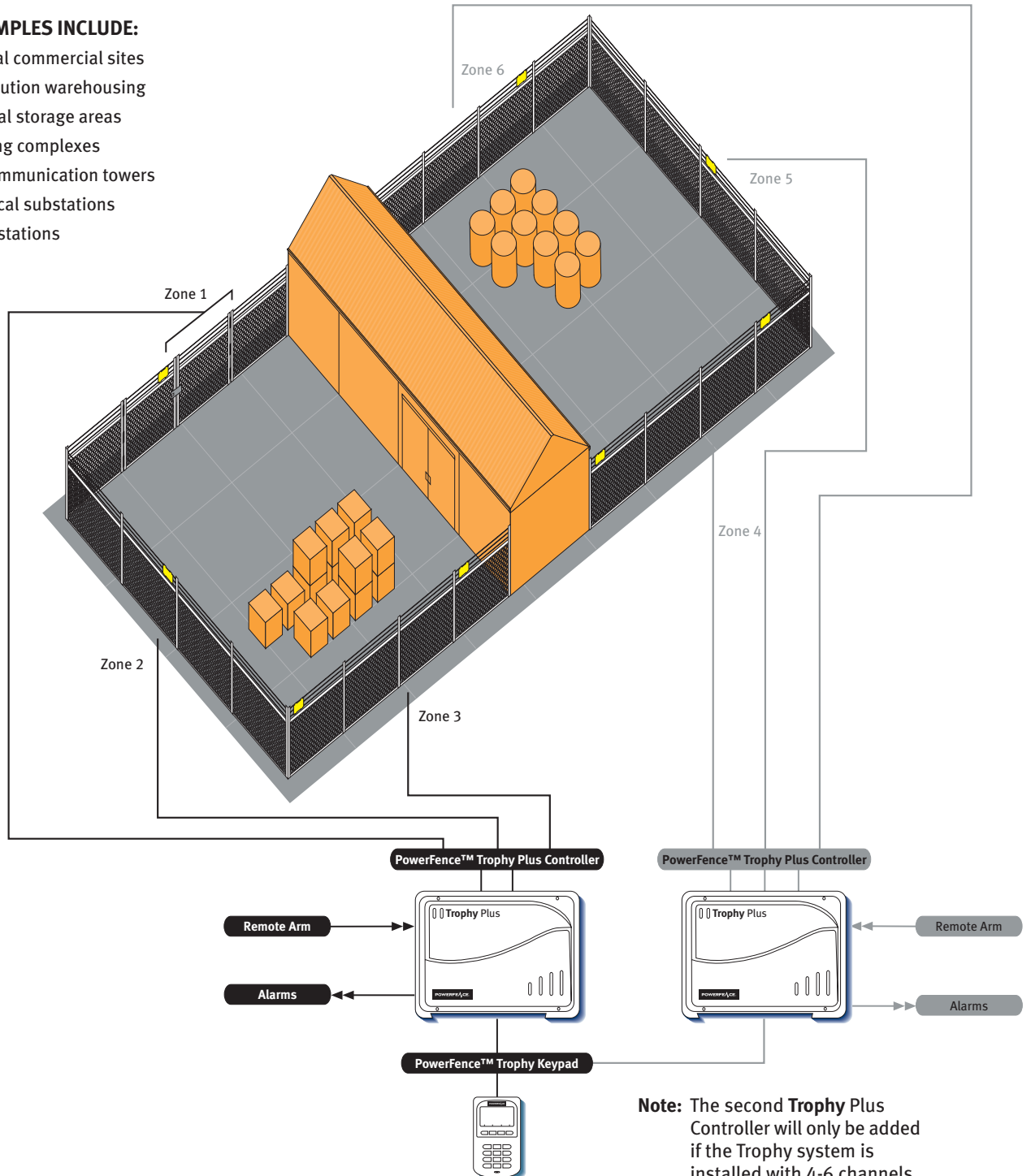
A perimeter security system that can be configured to control and monitor up to 6 electric fence zones. Designed for medium to high security sites.

# TROPHY 6 SYSTEM FROM GALLAGHER SECURITY MANAGEMENT SYSTEMS

The Trophy 6 system can be configured to suit a wide range of specialist applications.

## SITE EXAMPLES INCLUDE:

- General commercial sites
- Distribution warehousing
- External storage areas
- Housing complexes
- Telecommunication towers
- Electrical substations
- Pump stations



# The Trophy 6 system is a total perimeter security solution, which effectively detects and deters intruders without false alarms.

## THE SYSTEM

The system includes one or two 3-channel PowerFence™ Controllers and a Keypad. Applications can include a maximum of 6 electric fence zones and up to 4 alarm inputs.

Regulated electrical pulses are sent around the PowerFence™ system which give a short, safe shock. The pulses are monitored in each zone, activating the alarm if intruders persist in climbing, cutting or tampering with the fence.

## FENCE ZONING

The Trophy Plus 6 Controller allows up to 6 fence outputs. Each fence output can be used to monitor a separate zone of the fence. In the event of a security breach the Trophy 6 system will identify the zone in which the alarm has occurred. This allows a suitable response to be quickly coordinated.

## HIGH VOLTAGE ZONE SEPARATION

If an intruder attacks one zone of the fence, the performance of the remaining zones will not be affected. Therefore if the intruder causes an alarm and enters the site through one zone, they cannot easily escape through another, as the remaining fence zones will continue to be armed with full deterrent.

## SELECTABLE ZONE CONTROL

Fence zones can be excluded from the system to allow for partial arming of the site.

This allows an area of the site that is frequently used during the day to be disarmed while the remainder of the site is armed and secure.

## KEYPAD

The Controller has a dedicated intelligent Keypad designed for ease of use with backlighting and a large graphic display. User operations are menu driven with 'soft keys' to prompt the next step. The function of the soft keys alters depending on the screen being used.

## FENCE VOLTAGE DISPLAY

The Keypad allows the user to view the voltage level on the fence zones, earth and back-up battery.

The voltage level gives the user a clear indication on how the system is performing and assists in early diagnosis of any fence line faults.

## EARTH VOLTAGE MONITORING

Through monitoring the voltage on the earth the Trophy Plus controller detects if the earth system is disabled and will raise the appropriate alarm.

## PULSE SYNCHRONISATION

The pulse synchronisation allows for the PowerFence™ Trophy 6 system to be integrated with other electric fences in close proximity. This ensures that the Trophy 6 system will operate within standards for pulse frequency through synchronising pulses with nearby fences.

## SMART BATTERY BACKUP

In the event of mains power failure the system will automatically switch over to the back-up battery system. While powered by the battery, the system will monitor the duration of the power failure and the condition of the battery.

As the battery voltage drops the system reduces the power consumption of the total system in order to increase the battery life while still maintaining full site security. If the battery voltage drops below the minimum threshold the alarm will activate.

## CONFIGURATION

To help the installer tailor the Controller to the individual requirements of each site, each of the inputs and outputs can be configured to perform a range of functions.

Other configurable functions include; Entry zones, Entry delay, Exit delay, Input options, Output options, Alarm time, HV pulse count, Alarm thresholds (upper and lower), Auto log off delay, LCD brightness, Key brightness, Power level, Pulse rate, Slow mode pulse rate, Low battery level, Slow mode delay timer, Slow mode battery level, Stop mode battery level.

## OPTIONAL ACCESSORIES

The Fence Integrity Monitor is a single zone alarm detector that can operate on the Trophy 6 system. It enables the PowerFence™ to detect attack without the deterrent feature of an active, high voltage, electric pulse.

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**TECHNICAL SPECIFICATIONS**

**Trophy 6 System with Keypad**

**FUNCTION**

<b>Number of zones (channels)</b>	3x or 6x HV fence zones plus HV earth monitoring plus 2x or 4x inputs (configurable as BAI**)
<b>Max HV channel loop resistance</b>	300 Ohms***
<b>Energiser</b>	15 J stored at 100% power level 2.8 J output per zone irrespective of other zone loading
<b>Inputs*</b>	2x or 4x Programmable (BAI**, 24hr, ALL arm, Individual arm)
<b>Outputs*</b>	6x or 12x Programmable (ALL arm, General alarm, HV alarm, BAI alarm, Individual arm, Sealed) Timed, latched or mimic clean contact relays (10A 24V)
<b>Other</b>	Optical Tamper Detection

**USER INTERFACE**

<b>Keypad</b>	Intelligent LCD graphic, back-lit display/keys with soft key function
<b>Keypad cable distance</b>	Up to 300m (1,000ft)
<b>Encryption</b>	56 bit (equivalent to DES 56 bit keys)

**POWER (per Fence Controller)**

<b>Power supply</b>	90-265VAC 50-60Hz
<b>Temperature rating</b>	-10 to +40°C (14 to 104°F)
<b>Aux. DC output</b>	12-15VDC, 1A (re-settable fuse)
<b>Power consumption</b>	40W per fence controller
<b>System backup period</b>	8 hours (typical)

**PHYSICAL**

<b>Dimensions (per fence controller)</b>	Height	390mm (15 1/4")	Depth	125mm (5")
	Width	490mm (19 1/4")	Weight	8.2kg (18lb) including battery

<b>Order Numbers</b>	3 channel system G21300
	6 channel system G21300 and G21301

\* The control or indication of each device is limited to its parent fence controller.  
\*\* BAI stands for Balanced Alarm Input.  
\*\*\* While the energy of this unit will allow this length, the classification of risk, the number of elevations in the fence and terrain must dictate the length of a zone for security evaluation.

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