



F5/F6 Fence Controllers

The latest fence controller platform that does everything from simple single fence zone protection to complex multi-controller, multi technology, fully networked solutions, compliant with the latest international safety standards

Gallagher F5 & F6 series Fence Controllers Features

F series Fence Controllers are deployable in two configurations, as a stand-alone fence controller (for use with an alarm panel), or as a fully networked system connected to a Controller 6000 or Controller 7000, enabling a full suite of integrated capabilities. Configurations can be changed easily with an onboard switch.

Dual pulse

The dual zone controllers can be configured as a single dual pulse zone for greater the detection and deterrent capabilities.

User Interface

The controller has an intuitive visual interface developed to give instant system and fence circuit information.

Synchronization

Enhanced Smart Sync, low voltage synchronisation enabling voltage adaptation in event of synchronization loss on site whilst maintaining effective detection and deterrent. Ability to receive both external (neighbouring site) & internal HV sync pulses.

Low feel voltage

The Low Feel setting allows fence circuits to be monitored while operating at a decreased deterrent level.

Service mode & magnetic key

Service mode allows an operator to control zones while fault finding and testing. A magnetic key allows historic alarm indications to be cleared and, when in service mode, circuits can also be turned on and off.

Alarms

The F-Series Controllers create alarms for a variety of events, including: fence voltage drop, power supply failure, tamper, over-temperature, and synchronization loss or battery test failure.

Power management

Enhanced battery management ensures efficient battery charging, extended charge duration, and automatic backup testing.

Temperature management

Internal sensors continuously monitor temperatures and the F-Series Controllers will adjust behavior automatically to protect the controller and maintain security.

Cable manager

Optional storage module and cable cover for tidy cabinets.

Enhanced F series Features (F6x Only)

Safety Extra Low Voltage (SELV) – Hardware Ready

F6 Fence controllers feature onboard hardware to support Safety Extra Low Voltage (SELV) via a software update following release of the F6 Fence Controllers. SELV provides detection on the Pulse fence without deterrent, allowing site to disable deterrent as required whilst maintaining full detection capability

HVplus (excluding UK/Europe variants)

F6 Fence Controllers are equipped with reactive deterrent technology in the form of HVplus.

When an attack is detected on a fence, the controller will escalate the deterrent level from standard to maximum power with the next pulse. The fence controller will maintain maximum deterrent level for 20 minutes before returning to normal settings.



Important note on HVplus and insulators

Due to the higher operating voltages of the F6 while in HVplus mode, the Enhanced Intermediate Insulator (G27706 Hard claw/ G27606 Breakaway) and Pull Through Elevation Strain (G22905) are **required** in these installations. Use of other insulators could potentially lead to HV break-over occurring and an increase in nuisance alarms.

	F5x Fence Controller		F6x Fence Controller	
	G21923	G21943	G21933	G21953
	1	2	1	2
Dual Pulse	N	Y	N	Y
High Voltage Mode	Y	Y	Y	Y
Low Feel Mode	Y	Y	Y	Y
HV Plus	N	N	Y*	Y*
Safety Extra Low Voltage Ready	N	N	Y**	Y**
Smart Sync	Y	Y	Y	Y

*HVPlus is excluded from APAVE variants due to EN & BSEN Standards limitations

**Safety Extra Low Voltage is intended as a post release software update

F5 & F6 Fence Controllers		Fx1 Single Zone	Fx2 Dual Zone
Fence Controller	Power Supply Voltage	100-240V AC, 50/60Hz	100-240V AC, 50/60Hz
	Power Consumption	40W	55W
	Software (network only)	Command Centre v9.00 or above	Command Centre v9.00 or above
Aux. DC output		11 - 15V 0.7A (re-settable fuse)	11 - 15V 0.7A (re-settable fuse)
Inputs	4-State balanced inputs	2	3
Outputs	Dry contact relays	4	5
	Max contact rating	1 A at 20V DC/AC RMS	1 A at 20V DC/AC RMS
Communications	Between Gallagher Controller HBUS port and Gallagher Fence Controller	RS485 at 1Mbits/s	RS485 at 1Mbits/s
	Wiring format - data	2 wire	2 wire
	Encryption level	128 bit AES	128 bit AES
Cable Distance	Fence Controller to Gallagher Controller 7000	500m (1640ft) maximum (non-shielded twisted pair)	500m (1640ft) maximum (non-shielded twisted pair)
Sync options LV Sync Cable Limit		LV 1.2km 50km Fibre	
G21965 F-Series Cable Manager	G21963 Magnetic Key	G21964 Power Supply SMPS 15V4A MK	C303900 HBus Data and Power Cable
Standards compliance	IEC 60335-2-76:2018 (Edition 3.0) AS/NZS 60335.2.76:2019 BS EN IEC 60335-2-76:2021 SANS 60335-2-76:2024		



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