

ADVANCED PERIMETER SYSTEMS

EF-139 EXTERNAL SYNCHRONISATION UNIT

The EF-139 synchronisation unit enables an APS energiser to replace a third-party energiser in an electric fence system, ensuring that all zones are safely synchronised, regardless of the manufacturer.

RETROFIT THIRD PARTY SYSTEMS WITH APS



2 PULSE MODES

The unit can operate in two modes. In both modes the unit will automatically synchronise with the reference signal as soon as it is connected. The unit can be set to generate its own pulse internally when no reference pulse is available.



ALARMS

Your alarm system does not change, this allows you to replace faulty third party energisers over to APS in a budget friendly manner. If the sync signal is lost, an alarm will be generated.



OPERATION

A high-voltage feed is taken from the existing fence controller and fed into the input of the External Synchronisation Unit. A reference pulse is then generated which can be connected to the sync input of the ElectroFence controller.



PULSE & SYNCHRONISATION

The ESU ensures that the APS energiser is synchronised with the existing third-party system to ensure that the electric fence can operate safely.

WE CARE ABOUT YOUR SECURITY

- Budget friendly retrofits are a key part of APS offerings, we will work with you to ensure you maintain a high level of security without breaking the bank.
- Easy integration – integration can be done with any systems which can accept dry relay contacts



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SPECIFICATIONS

SYNCHRONISED OUTPUTS	1 or 2
OPERATING VOLTAGE	12vDC
AVG POWER CONSUMPTION	240mA
MAX RELAY CONTACT RATING	250mA
I/O OUTPUTS	normally closed relay contacts
OUTPUT VOLTAGE	12V DC Pulse
PULSE RATE	1.2 seconds (internal)
INTERNAL PULSE WIDTH	100us
HV INPUT VOLTAGE	2kv - 10kv
HV INPUT	Optically Isolated
OPERATING TEMPERATURE	-20 to +75 Degrees Celsius

RETROFIT DESIGNS AND SOLUTIONS

WE OFFER BESPOKE RETROFIT DESIGNED SOLUTIONS TAILORED TO YOUR INDIVIDUAL REQUIREMENTS. OUR TEAM WILL ASSESS YOUR EXISTING SYSTEM AND DEVELOP A SOLUTION THAT MEETS YOUR SPECIFIC NEEDS. WE’LL ALSO PROVIDE A CUSTOMISED MANUAL, GIVING YOU CLEAR GUIDANCE ON THE SOLUTION PROVIDED.

