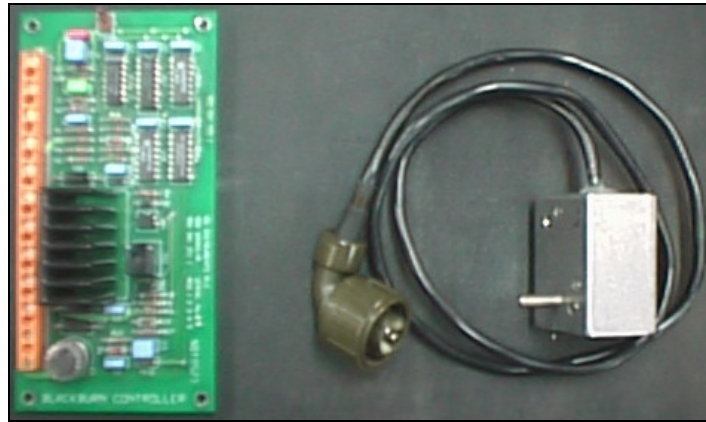


FIXED ELECTRONIC TARGET UPGRADES TYPE 460



For many years, Army ranges have been equipped with the rugged and reliable Fixed Electric Target (FET) produced by Royal Ordnance, Blackburn. The mechanical functions of the unit are still effective, however the control of the mechanism is achieved by mechanical relays which are reaching the end of their life and are costly to replace.

This mechanism also uses a motion sensor hit switch which, despite a major upgrade some years ago, is prone to false triggers from target strikes by materials other than the projectile. In addition, a rapid-fire facility is not available.

MS Instruments PLC have designed a solid-state controller to replace the existing relays thus extending the economical life of the mechanism. This Printed Circuit Board is a plug-in replacement for the entire contents of the existing relay box, with the exception of the large capacitor.

In addition, the unit provides the ability to reset the card simply by powering down and then powering up. This feature is particularly useful where an elderly mechanism causes the thermal cut-out to trip and prevents the trainee from using that lane; the card is reset without the need for personnel to go down-range with the consequent delays caused.

When the PCB is used with the existing hit sensor, an improved performance is obtained, however use of the solid-state hit sensor gives a considerably improved longevity and enhanced performance.

When the PCB and solid-state sensor are combined with the MSI Range Control Console, rapid fire hit counting is also available.

SPECIFICATION

General Specification	Solid-state controller	Solid-state hit switch
Controls	Compatible with existing consoles and EASI	
Outputs	Provides hit output to console	Interfaces with MSI solid-state controller
Power Supply	DC 24V \pm 10%	derived from MSI PCB
Environment:		
Operating temperature Range	-20°C to + 60°C	
Humidity	fitted in sealed unit	Sealed
Dimensions:		
Size	152mm x 77mm x 42mm	53mm x 38mm x 31mm