

ACOUSTIC DETECTOR TYPE 588



The Acoustic Detector type 588 is a compact rugged unit that provides an output pulse in response to a large amplitude acoustic disturbance. The unit can therefore be used to detect muzzle blast, supersonic projectile shockwave or similar disturbances that enable the detector to trigger other events, measure rate of fire or measure projectile velocity using 817 timer unit. Unit can be supplied with 783 120AS this is to power and control and diagnostics for remote use of detector up to 200m.

Parts that can be supplied as follows.

IP 67 (water proof) Power supply. (Local use)
Detector power unit 783 120AS. (Remote use)

The detector has an adjustment for sensitivity for stand alone.

SPECIFICATION

Output Pulse	5v selectable, negative or positive going logic pulse.
Output Pulse Width	1mS (nominal)
Typical detection wave	Measured at maximum sensitivity using shockwave produced by a 7.62mm projectile at 800m/s.
Maximum rate of fire	1500 rounds per minute. May be increased depending on requirements.
Power supplies	9-30V DC 150mA
Connectors	19 way Combined power and signal. BNC TTL output.

ENVIRONMENT

Humidity	95% non-condensing
Operating Temperature	-25°C to +60°C