

**Meter Reading Outstation**

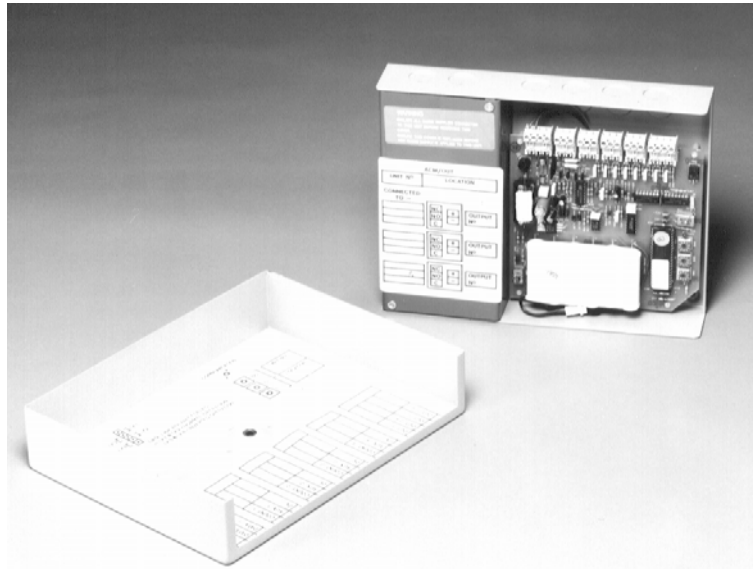
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**Overview**

ACM outstations are a range of powerful compact devices which may be linked to the ACM Energy Management System. Outstations are non-dedicated in their function. Several models are available but primary functions are determined at commissioning by transmitting control mode information to each outstation from the system controller, the ACM/CPU.

The ACM/MR outstation is capable of performing hours-run and pulsed counting routines with four digital input channels which will accept pulsed 0-5 volt signals from any volt-free changeover contact, making it suitable for use with clamp-on optical meter readers or integrated electronic meters. It includes six constantly charged sealed Ni-Cad batteries to maintain circuitry in the event of a mains power supply failure. Battery circuitry may be switched off when the board is not in use. In addition a further four digital inputs are provided to monitor alarm conditions.

The steel enclosure features a tamperproof lid and knock-out conduit entries. There is provision below the insulated mains power supply cover for up to three plug-in relays, opto-isolators etc.



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**Specification**

Enclosure :	Beige Mild steel with textured epoxy coating.
Dimensions :	250 (w) 195 (h) 50 (d)mm.
Conduit entry :	6 * 20mm knockouts.
Mounting :	3 * raised fixing points (suitable for mounting on an uneven wall)
Weight :	2450g
Storage temperature :	-65°C to 125°C
Operating temperature :	0°C to 70°C
Power Supply :	220-240Vac, 50Hz (8-12 volts pcb only).
Power consumption :	12Va.
Terminations :	Screw terminal connectors accept cable from 0.5 to 1.5mm diameter.
Digital inputs :	Four pulse counting inputs for metering, four auxiliary inputs for alarm monitoring. All accept 0-5v or volt free signals. Capable of counting pulses of 50ms duration (10ms by special order).