



PARS Electrical Transmission Equipment Co.

PARS Arrester

Surge Counter / Surge Monitor

PAC-M0 / PAC-M3, PAC-M5

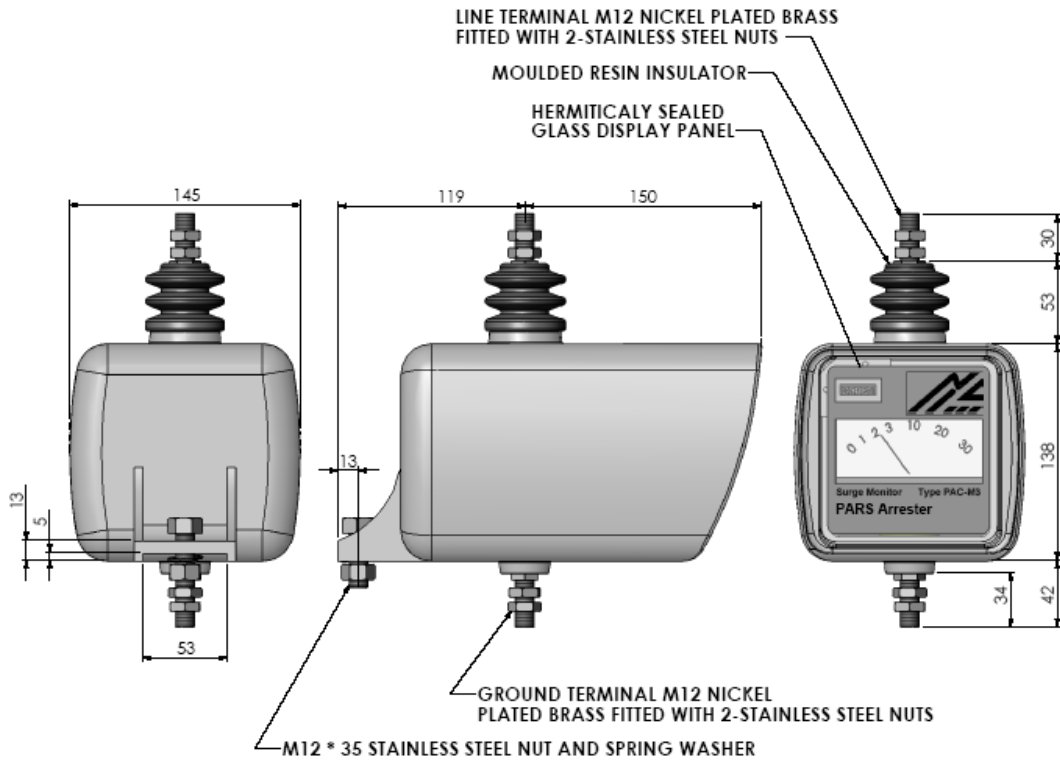
GENERAL

This product is a robustly constructed instrument suitable for installation in the earth connection of a surge arrester which must be isolated from earth for the counter to operate correctly. To prevent damage the product must not be subjected to rough handling or mechanical shocks either during or after installation.

Model PAC-M0 is suitable for use with either single arresters or three phase sets.

Models PAC-M3 and PAC-M5 are suitable only for use with a single arrester.

The counter is sealed in a weatherproof housing with a serial number on the back of the housing.



INSTALLATION

IMPORTANT

The product should ideally be mounted at eye-level on a horizontal surface such as cross-channel or angle support. Operation is not impaired at angles up to 60° total. A clearance of at least 30mm must be allowed between the live terminal of the surge counter and any earthed object. Connections to the surge counter may be made with either cable or bare conductor with suitable termination to the M12 line and earth studs, which are nickel plated brass. Care should be taken when tightening the connections to avoid overstressing the terminals and the use of two spanners is recommended. Should bare conductor be used this must also be isolated from any earthed structure by 30mm.

Necessary torque for screwed joints:

M12 (Earthing Connection): 30 Nm

M12 (Counter Bushing): 30 Nm

M12 (Stainless Steel): 50 Nm

MAINTENANCE

Under normal operating conditions this product does not require any maintenance, except for periodic cleaning of the glass and the line bushing. The tightness of the connections should be checked at the same time.

No electrical tests should be undertaken to the counter without the previous agreement of the manufacturer.