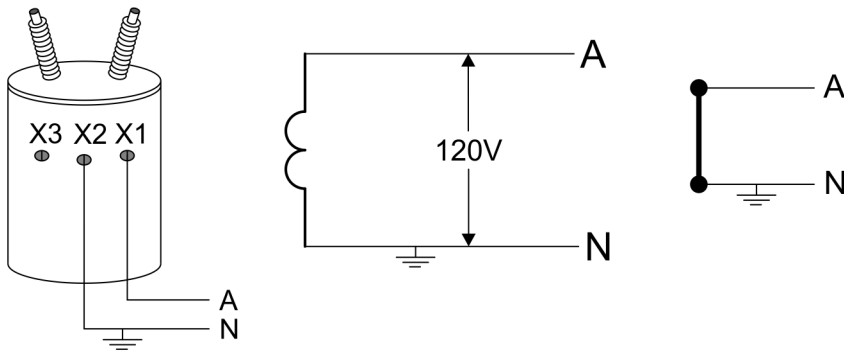




Power Measurements Technical Bulletin

Meter Site Data Sheet Three Wire Single Phase 1S Meter

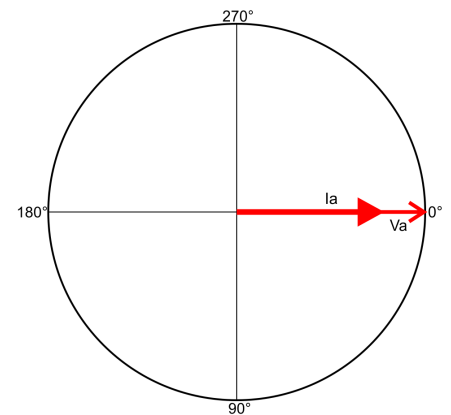
Distribution Transformer Configuration



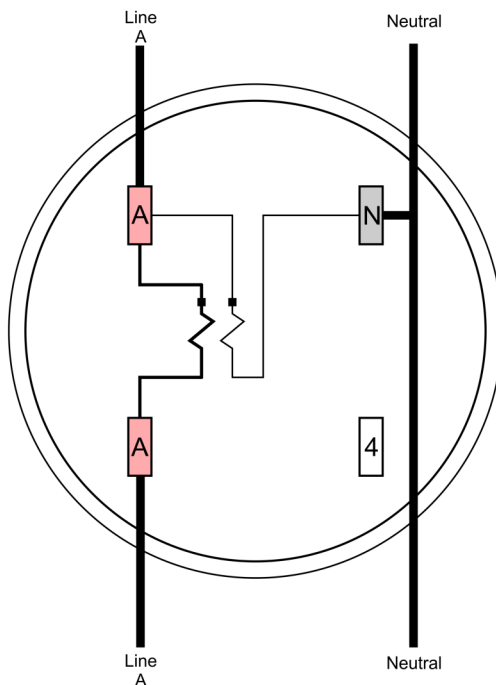
This is a true single phase service. It is found some very old residential services and special applications like traffic lights.

Distribution Phasors

Phase	V(p-n)	V ϕ	I(x)	I ϕ
A	120	0	Ia	0



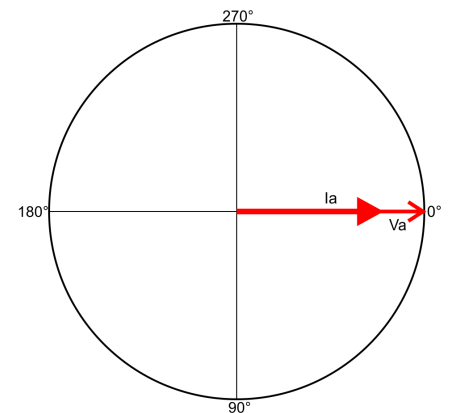
1S Non-Blondel (1V 1I 2W)



$$P = \vec{V}_a \cdot \vec{I}_a$$

Meter Phasor

Phase	V(p-n)	V ϕ	I(x)	I ϕ
A	120	0	Ia	0



The 1S is used in some specialty applications. Sometimes a 2S meter will be used to reduce the number of forms stocked.