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Start/Stop KVAR & Kw

Generator management module

Ref. A40Z0 – L0001

Application note A40Z090237b-en-start stop KVAR Kw

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This application note describe the function witch permit to Start/Stop an engine on a power plant, in function of a Kvar Threshold.

The fonctionning is the following.

If my KVAR (E0132) is upper than the E1256 (in percent) **OR** if my Kw (E0042) is upper than the E1256 (in percent), then **I ask another engine to start.** (after timer).

If my KVAR (E0132) is lower than the E1254 (in percent) **AND** my Kw(E0042) is lower than the E1254 (in percent), then **I stop my engine.** (after timer).

How to set this function:

The variable E1619 must be set at 1.

The Load unload sequence must be activated (E1258 = 1, 2 or 3)

The thresholds used are the same than for the Start/stop Kw. (E1254 and E1256).

The **Load dependant stop function must be inactivated** (E 1914 = 0)

Summary:

E1619 = 1.

E1258 = 1, 2 or 3

E1254 and E1256 are KW and KVAR threshod

E 1914 = 0

Variables used

E1619	Inhib var = KVAR and KW auto start and stop (not only KW)
E1254	Unload threshold (/ in %
E1256	Load threshold (to ask some KW help) / in %
E1258	Load / Unload mode: (1=N°GE, 2=hours run, 3=Custom(priority= E1617))