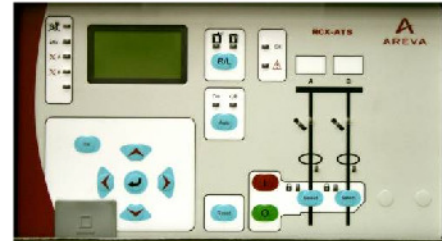




ATS

Automatic Transfer Simplified.

Each electrical supply network is different, and the requirements in energy are different. However the maintenance of the energy supply must be constant. The simplified permutator of source ATS, adapts to all the types of networks and parameter setting for all the needs. This modular automatism adapts exactly to your need.



The ATS allows the automatic change over of MV Network source in the case of voltage loss (MV or LV) after several checkings.

SIMPLICITY AND EFFICIENCY

The Simplified Permutation function is used when a substation is supplied by two distinct networks MV source (source A, B).

In standard exploitation scheme, only one of these MV networks supplies the station.

In the case of lack of tension on this network, the function ATS can permute the supply of the substation on the second MV network, if the conditions of permutation are met.

COMPACTITY AND MODULARITY

The ATS is a compact and modular automatism, it offer:

- > A multiplicity of adjustments : voltage detection, current detection
- > A modularity of configuration: Vertical, Horizontal, OEM
- > A simple parameter setting thanks to its MMI.



Customer Benefits

- Easy operation
- Efficiency and fast switch-over
- Self operation

MULTIPLE PARAMETERS

Configuration:

- Phase detection thresholds
- Homopolar detection thresholds
- Time before switching
- Time in taking the fault into account

TECHNICAL FUNCTIONS

Interface Man/Machine:

By display LCD (5 languages) et 5 push buttons.

Visualisation:

- Position of UF (O/C)
- MV voltage
- Auxiliary voltage
- Batteries state
- Fault detection
- Automatism state (In / out of operation).
- Stand by equipement.

Operation :

- opening / closing of the UF
- UF closed
- Detection reset
- Permutation way A->B, A<->B, B->A
- Automatism In / out of order operation.

External input :

Automatism locking.

Output :

- Automatism cycle.
- Watch dog state.

CHARACTERISTICS

Auxiliary Voltage:

- 230 V AC +15% / -20%.
- 48 V DC.

Control motor

48 V DC.

Voltage detection:

Presence or absence of MV voltage.

The acquisition of information is from the capacitive divider of the phase L2 of MV switchboard.

Low tresholds1 .2 kV, high 4 kV.

Current detection:

by 6 opening ring core CT (1/2200).

Phase fault threshold 450 or 630

Earth fault Thresholds 40, 80 160 A.

Time in taking the fault into account 100, 150, 300 ms.

COMPATIBILITIES

The ATS is compatible with the following MV equipment:

FBX, Fluokit (M+, M24).

For others equipments please consult us

Inputs

- External reset
- Locking automatic
- External control panel (O / I).

SCHEME PRINCIPLE

