Réf. A65Z1 2 000 1 A EN

QUICK REFERENCE
(QUICK START DOCUMENT)

Volt
course | fine

- / + | -2.5% / +2.5%

Stability
Prop. gain

Int. time
(Dip 3)

Underspeed
F knee | **F** | F knee

40Hz / 60Hz

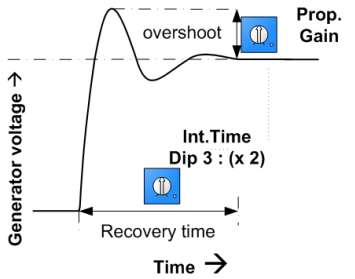
Dip4 off :underspeed enabled, Hertz: Tr/min

Droop
D

0% / 100%

DIP switches
4: on is underspeed disabled
3: Increase I-action
2: Half phase sensing voltage
1: Short terminals S & T
Shown are factory settings

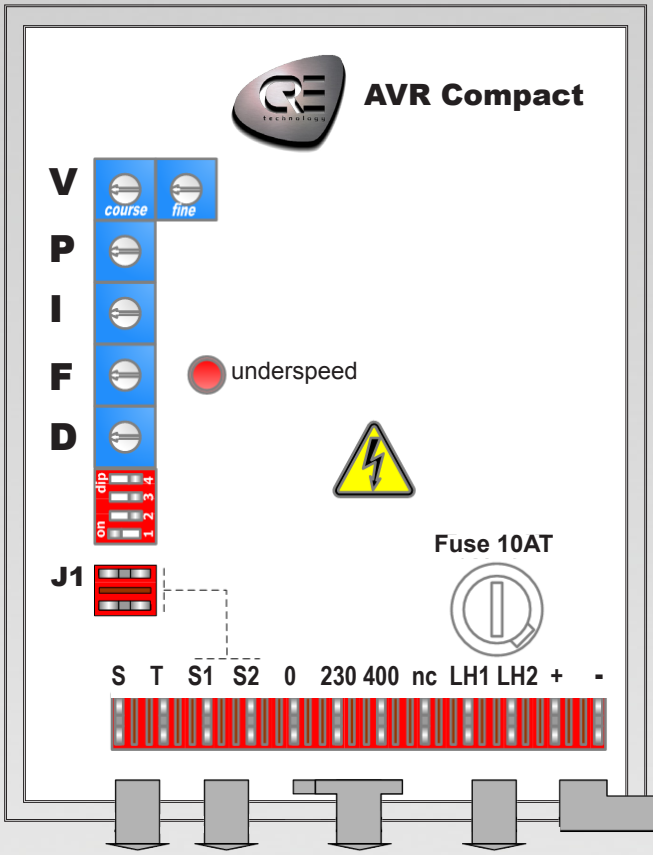
J1 CT Droop selection
S1-S2 *In : 0,5 A* | S1-S2 *In : 1 A*

Stabiliy P&I


Stabily adjustments must be performed by an expert.

Lower supply voltages result in better stability

@ excitation currents << 100mA, a parallel resistor for E+&E- may improve stabiliy



General
Voltage regulator For three or single phase generaor. 12.5 Amp filed current.

Before commissioning:

Generator isolation-value must be > 1 MΩ

Min. field resistance 2 Ω

Self excited from 3,5 Vac (LH1-LH2)

Never break excitation output +,- during operating.

Parallel operation CT:

CT Droop
Phase V
P1 S1

Phase sequence
U → V → W

Ext.
0 kΩ: 0V
10k:45V$_{ac}$

1K
Rx

0-10V$_{dc}$ Isolated

Rx=10K 1V$_{dc}$/3,5V$_{ac}$

Rx=100K 1V$_{dc}$/0,2V$_{ac}$

CT
S1
P1
phase V/L2

Droop CT for Parallel operation CT in Phase V rotation clockwise

U V W

S1-S2
In : 0,5 A

S1-S2
In : 1 A

Sensing
400-480V gen.
N U V W
-230V-
Three or single phase

400-480V gen.
U - 400V - W

400-480V gen.
½U - 200V - ½W

115-230V gen.
N ½U
-115V-
Three or single phase
rotation clockwise

Supply voltage
shunt stator phase

Auxiliaires winding

pmg

Transformer Generator-supplied

Vgen

Supply Voltage

100-295 Volt ac, 50-100 Hertz

Output
E+ E-

max. 35% of supply voltage LH1-LH2 12,5 Amp. R > 2 Ω

If field forcing Use an isolated battery

Output +,- is at phase potential