



- **Generator Over/Under Voltage Guard, not affected by heavily distorted waveform**
- **Complies with G59 requirements**
- **Integral true RMS transducer**
- **Fast analogue output (F-version)**
- **Optional DIN96 Slave Indicator with Status LEDs**

Specifications

Monitored Voltage range:	100-120, 200-240, 380-415 or 380-440V, 40-70Hz (Fuse 0,5A)
Optional aux. Supply:	24, 110VDC (Fuse 2A)
Contact Rating:	AC: 100VA - 250V/2A max. DC: 50W - 100V/1A max.
Optional slave meter:	External moving voltage meter 150, 300, 500 or 600V as standard
Adjustments:	U/V Level U/V Delay (sec) O/V level O/V Delay (sec)
Versions:	E, F, G, GF 0/-20% 0-30 0/+20% 0-30 B 0/-20% 0-1 0/+20% 0-1 C 0/-50% 0-30 0/+50% 0-30
Optional analogue output: (F-versions)	0-10, 0-20 or 4-20mA, max 500ohm
Temperature:	-20 to +70°C
Weight:	0.5kgs
Front protection:	IP21

Description

The digitally controlled KCV114x provides precision protection of single-phase generators, motors, pumps etc.

True RMS measurement not affected by heavily distorted waveforms provides precision (1.0%) protection. Less than 50mS process time. The independent moving iron voltmeter accuracy is class 1.5.

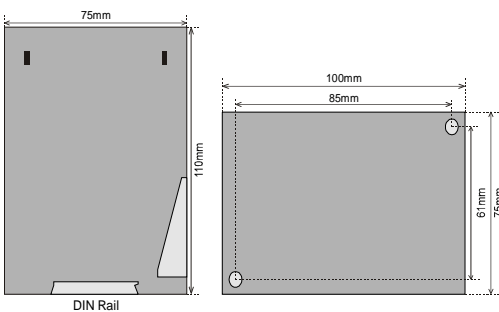
The AC auxiliary voltage is supplied from the monitored voltage input.

Over and under voltage protection with a third relay (R3) that operates if either the over voltage relay (R2) and/or under voltage relay (R1) operate.

A timer will reset if fault is removed during count-down. Fixed hysteresis prevents relay "chatter". Full functionality control during power-up/power-down, with 500mS power-out reservoir.

User settable trip levels and delays (definite time delays). Colour of LEDs indicates alarm status. LEDs flash during Count-down.

The unit meets IEC60092-504 and the relevant environmental and EMC tests specified in IEC60068/60092 and IEC61000/60533 respectively, to comply with the requirements of the major Classification Societies.



	U/V	O/V	Fail safe	Latch
R1	✓		✓	*✓
R2		✓	✓	*✓
R3	✓	✓		

Notes:
Relays shown de-energised
R1 and R2 are fail safe and energises when unit is powered.
KCV114E is the standard.

Models	Latch	Output
KCV114E	-	-
KCV114F	-	X
KCV114G*	X	-
KCV114GF*	X	X
KCV114B	-	-
KCV114C	-	-

