



- **Generator Over/Under Voltage Guard, not affected by heavily distorted waveform**
- **Complies with G59 requirements**
- **Independent moving iron voltmeter**
- **Integral true RMS transducer**
- **Fast analogue output (F-versions)**

Specifications

| | | |
|--------------------------------|--|----------------------------|
| Monitored voltage range: | 100-120V, 200-240V, 380-415V or 440-460VAC, 40-70Hz | |
| Optional aux. Voltage: | AC (E2, H2, F2 & HF2 ver.) 100-120V, 200-240V, 380-415V, 440-460V (Fuse 0.5A) | DC 24, 110VDC (Fuse 2A) |
| Voltmeter standard scale: | 0-150V, 0-300V, 0-500V and 0-600V | |
| Contact rating: | AC: 100VA - 250V/2A max. DC: 50W - 100V/1A max. | |
| Adjustments: | <u>Trip level</u> | <u>Delay</u> |
| Trip level High: | (Vn) 0% to +20% | 0-30secs |
| Trip level Low: | (Vn) 0% to -20% | 0-30secs |
| Analogue outputs (F-versions): | Up to 20mA, max 500ohm Up to 10V, min 100kohm | |
| Temperature: | -20 to +70°C | |
| Weight: | 0.6kgs | |
| Front protection: | IP54 (IP65 optional) | |

Description

The digitally controlled KEV114x 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.

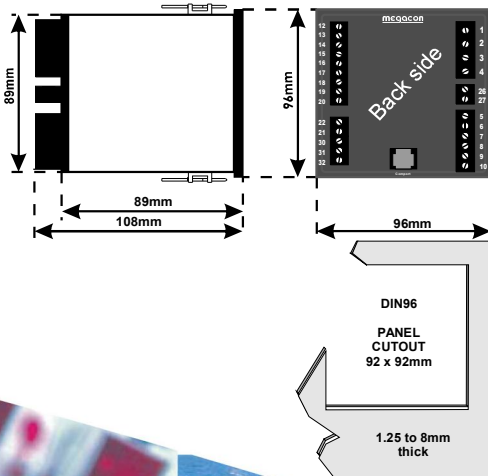
KEV114E, KEV114H, KEV114F & KEV114HF have auxiliary supply from the monitored voltage input, KEV114E2, KEV114H2, KEV114F2 & KEV114HF2 have separate input for auxiliary supply.

High voltage alarm (R1) and Low voltage alarm (R2) operates if either the high or low relays trip.

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.



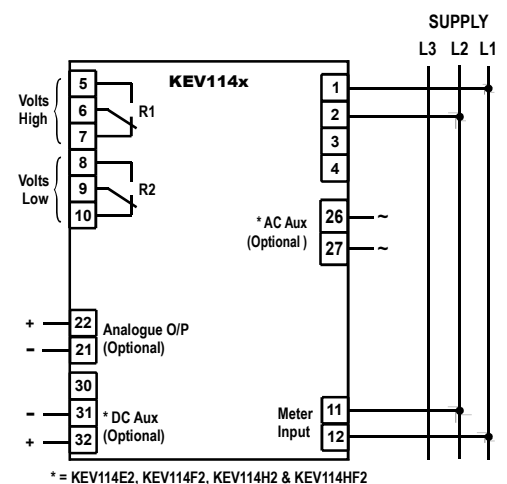
KEV114E, KEV114F, KEV114E2 & KEV114F2

| | O/V | U/V | Fail safe | Latch |
|----|-----|-----|-----------|-------|
| R1 | ✓ | | | |
| R2 | | ✓ | ✓ | |

Note:
Relays shown de-energised
R1 and R2 are fail safe and energises when unit is powered.

KEV114H, KEV114HF, KEV114H2 & KEV114HF2

| | O/V | U/V | Fail safe | Latch |
|----|-----|-----|-----------|-------|
| R1 | ✓ | | | |
| R2 | | ✓ | | |



* = KEV114E2, KEV114F2, KEV114H2 & KEV114HF2

