

**SAHYADRI**®

ISO 9001:2015 Certified

**SAHYADRI ELECTRO CONTROLS (I) PVT. LTD.**

**SECO**



# AC UNDER AND OVER VOLTAGE RELAY (TYPE: SRV 110)

# 10, VINAY COMPLEX, 1<sup>ST</sup> CROSS, RAJGOPAL NAGAR MAIN ROAD, GANAPATHI NAGAR,  
PEENYA III PHASE, BANGALORE – INDIA - 560058

Mail: [mkt@secoindia.co.in](mailto:mkt@secoindia.co.in) & [sales@secoindia.co.in](mailto:sales@secoindia.co.in), Web: [www.secoindia.co.in](http://www.secoindia.co.in)

**SAHYADRI (SECO)** make **Combined AC Under and Over Voltage Relay – 96 Sq. mm** is designed to be used in Single phase LT panels, generator panels & Motor protection panels to monitor the AC supply and give Alarm when the voltage drops or exceeds the set voltage to avoid damages. Microcontroller based design with advance technology & field proven model is available for all types of fields and environmental conditions.

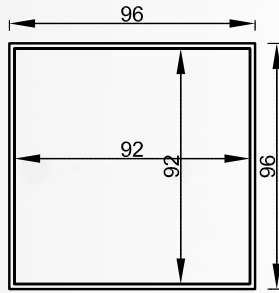
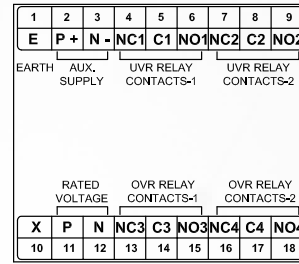
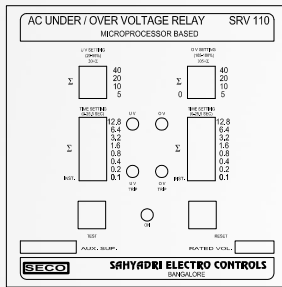
## **FEATURES:-**

- Microcontroller based
- Single phase sensing
- AC under and over voltage protection in single unit
- Setting by DIP switches
- Separate time setting for both under and over voltage
- Separate indication for fault & Trip
- With Test facility
- Compact design
- 96 Sq. mm Box with 92x92 cutout

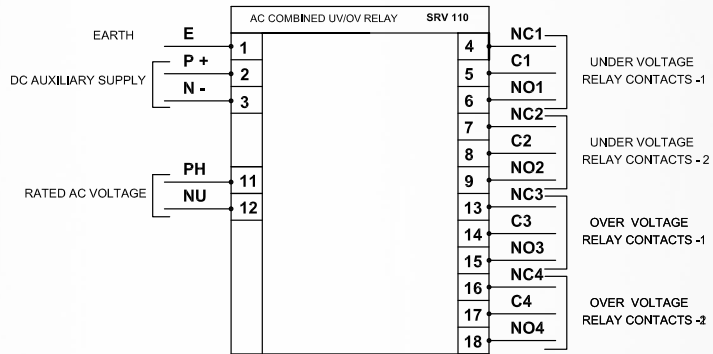
## **TECHNICAL SPECIFICATIONS:-**

- **Aux supply:** 75 to 275V AC
- **Rated AC voltage:** 110, 230, 415V AC
- **AC Under voltage setting:** 20 to 95% insteps of 5 %
- **AC Over voltage setting:** 105 to 180% insteps of 5%
- **Operating time setting:** 0.1 to 25.5 Sec insteps of 0.1 Sec.
- **LED Indication:** Separate LED for UV & OV pickup & UV & OV Trip
- **Accuracy:** Less than 5% for voltage & Less than 2% in Time
- **Output Relays:** 2 sets of change over contacts for under voltage & 2 sets of change over contacts for over voltage
- **Contact rating:** 10A @230V AC or 10A @ 24V DC
- **Panel cutout:** 92 x 92 mm
- **Front Facia:** 96 Sq. mm
- **Box:** Moulded box
- **Cover:** Poly carbonate
- **Depth:** 120 mm

# WIRING AND PANEL CUTOUT DIAGRAM



PANEL CUTOUT - 92X92 mm  
BEZZEL - 96X96 mm



**TYPICAL WIRING DIAGRAM**

ALL DIMENSIONS ARE IN MM.

DRAWN BY	HSV	REV. NO.	0	ISSUED ON	01.03.12		DRAWING TITLE: APPLICATION DIAGRAM OF AC UV / OV RELAY	DRG NO.	SH.NO	01	<b>SECO</b>
APPD. BY	BSM			DRAWN ON	01.03.12		SECO/AD/SRV110	CONTD.	-		

**SIDE VIEW**



**BACK VIEW**



**SAHYADRI**®

ISO 9001:2015 Certified



No 10, Vinay Complex, 1st Cross, Rajgopal nagar Main Road,  
Ganapati Nagar, Peenya 3rd Phase,  
Bangalore-560058

080-4149 2637 / +91 9035048537 / +91 9448408537 / +91 9980544028

After Sales / Service : +91 9606040824

[mkt@secoindia.co.in](mailto:mkt@secoindia.co.in) / [sales@secoindia.co.in](mailto:sales@secoindia.co.in) / [manjunatha@secoindia.co.in](mailto:manjunatha@secoindia.co.in)