SAHYADRI®

ISO 9001:2015 Certified

SAHYADRI ELECTRO CONTROLS (I) PVT. LTD.

SECO

DC UNDER AND OVER VOLTAGE RELAY

(Type no. SRV 105)

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

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SAHYADRI (SECO) Make Combined DC Under and Over Voltage Relays – 96 Sq. mm series is designed to be used in Battery charging panels to monitor the DC charging supply of the station batteries. when the voltage drops or exceed the set voltage, DC under and over voltage relay gives Alarm to avoid the damages. Microcontroller based design with advance technology & field proven model is available for all types of fields and environmental conditions.

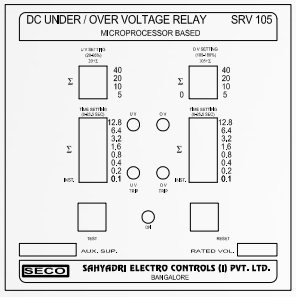
FEATURES:-

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

TECHNICAL SPECIFICATION:-

- **Aux supply**: 75 to 275V AC
- **Rated Dc voltage Available**: 24, 30, 48, 110, 220 V DC
- **DC Under voltage setting**: 20 to 95% insteps of 5V
- **DC Over voltage setting**: 105 to 180% insteps of 5V
- **Operating time setting**: 0.1 & 0.2 to 25.5 Sec insteps of 0.1 Sec.
- **Indication**: Separate LED for UV/ OV pickup & UV/ OV Trip
- **Accuracy**: Less than 5% for voltage & Less than 2% in Time
- **Output contacts**: 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
- **Depth**: 120mm

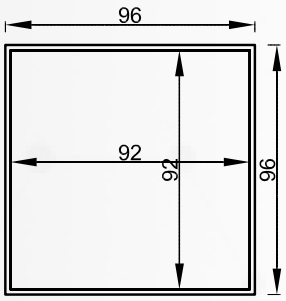
WIRING AND PANEL CUTOUT DRAWING



1	2	3	4	5	6	7	8	9
E	P	N	NC1	C1	NO1	NC2	C2	NO2
EARTH	AUX. SUPPLY		UVR RELAY CONTACTS-1			UVR RELAY CONTACTS-2		

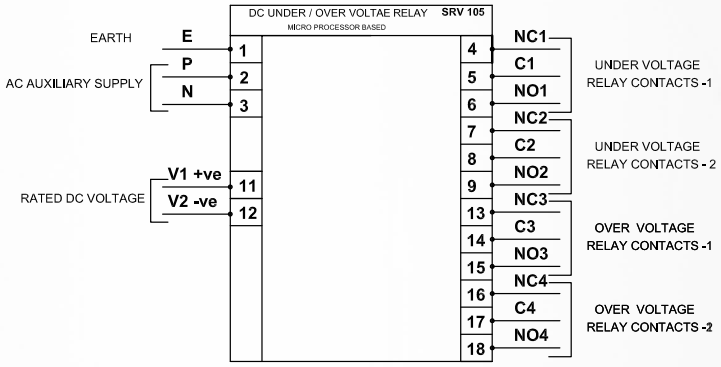
	RATED VOLTAGE		OVR RELAY CONTACTS-1			OVR RELAY CONTACTS-2		
X	V1	V2	NC3	C3	NO3	NC4	C4	NO4
10	11	12	13	14	15	16	17	18

TERMINAL DETAILS



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 DC UV / OV RELAY	DRG NO.	SH.NO	01	SECO
APPD. BY	BSM			DRAWN ON	01.03.12		SECO/AD/SRV105	CONTD.	-	

SIDE VIEW

BACK VIEW

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