

SAHYADRI ELECTRO CONTROLS (I) PVT. LTD.


SECO



DC FAILURE ALARM RELAY WITH BUILT-IN HOOTER (TYPE NO. SRV 113/WH)

10, VINAY COMPLEX, 1ST CROSS, RAJGOPAL NAGAR MAIN ROAD, GANAPATHI NAGAR,
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SAHYADRI (SECO) Make DC Failure Alarm Relay with built-in Hooter – 96 Sq. mm series is designed to monitor the DC supply / station battery voltages used in Battery charging panels and Control panels. When DC supply fails and need the attention of the operators in the substations, DC failure relay gives Indication & Alarm sound.

Microcontroller based design with advance technology & field proven model is available for all types of fields and environmental conditions.

FEATURES:-

- Static design
- DC failure indication by high bright LED window
- DC & AC supply present indication by LED
- Built-in Test & Accept push buttons
- Built-in audible alarm
- Suitable for wide range of dc supply
- Two C/O output contacts
- High barrier with shrouded connectors for easy & safety terminations

APPLICATION:-

- Battery charger panels
 - Control & Relay panels
 - Suitable for 11 KV switchgear/feeder DC failure indications
 - DC monitoring circuits
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WORKING PRINCIPLE:-

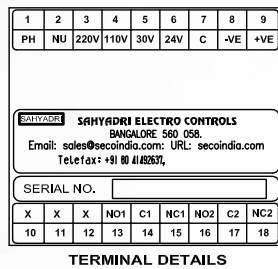
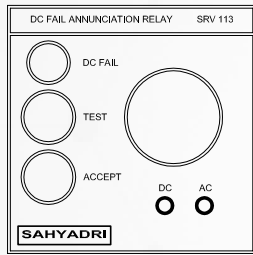
DC failure relay gives audio & window indication when DC supply fails. This unit is fed with both DC & AC supply to monitor the DC supply and is also provided with two Change over contacts for tripping and remote application.

When the DC fails, fail indication window starts glowing along with Audible alarm with intermittent sound & two change over contacts closes for remote annunciation or for remote alarms. When accept push button is pressed, alarm goes off & window remains glowing. After the DC restores, window is auto resettable. When Test push button is pressed, window starts glowing along with Alarm sound.

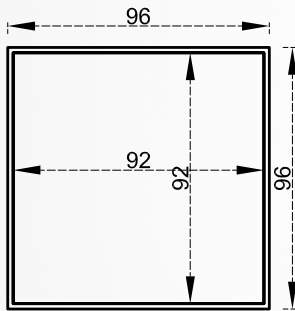
TECHNICAL SPECIFICATION:-

- **Rated DC voltage:** 20 to 250V
- **Input DC Supply:** 24, 30, 110, 220V DC (site selectable)
- **Input AC Supply:** 230V AC +/- 20%
- **Window:** DC Fail indication
- **Indication:** DC & AC present indication by LED
- **Audible alarm output:** 90dB at 1 Meter – Intermittent sound
- **Response time:** Less than 100 m Sec (Indication & alarm when DC fails)
- **Enclosure:** ABS Plastic cover Output Relay contacts
- **Output relay contacts:** 2 C/O Contacts
- **Contact rating:** 5A at 230V AC/30V DC
- **Mounting Type:** Flush mounting
- **Panel cutout:** 92 X 92 mm
- **Front Facia:** 96(H) x 96 (W) mm
- **Depth:** 95 mm

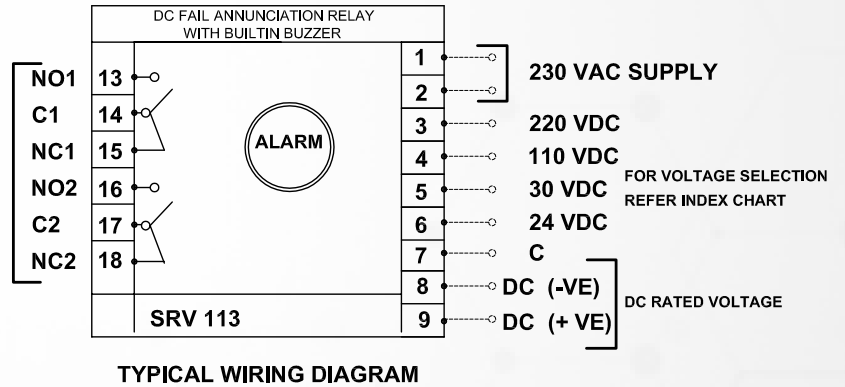
WIRING AND PANEL CUTOUT DRAWING



INDEX			
TER. NO	DESCRIPTION		
1 & 2 (PH & NU)	230 VAC AUXILLIARY SUPPLY		
8 & 9 (-VE & +VE)	RATED DC SUPPLY		
VOLTAGE SELECTION		CUT OFF	PICK UP
7 & 3 (C & 220 VDC)	LOOP C & 220 VDC FOR 220 VDC RATED DC SUPPLY	176 V	180 V
7 & 4 (C & 110 VDC)	LOOP C & 110 VDC FOR 110 VDC RATED DC SUPPLY	88 V	91 V
7 & 5 (C & 30 VDC)	LOOP C & 30 VDC FOR 30 VDC RATED DC SUPPLY	24 V	25.5 V
7 & 6 (C & 24 VDC)	LOOP C & 24 VDC FOR 24 VDC RATED DC SUPPLY	19.2 V	22.5 V



POTENTIAL FREE
CONTACTS FOR
EXTERNAL USE



ALL DIMENSIONS ARE IN MM.

DRAWN BY	HSV	REV. NO.	0	ISSUED ON	01.03.12		DRAWING TITLE: APPLICATION DIAGRAM OF DC FAIL	DRG NO.	SH.NO	01	SECO
APPD. BY	BSM			DRAWN ON	01.03.12		ANNUNCIATION RELAY WITH BULTIN BUZZER & MULTIPLE VOLTAGE SELECTION	SECO/AD/SRV113	CONTD.	-	

SIDE VIEW



BACK VIEW



SAHYADRI®

ISO 9001:2015 Certified



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