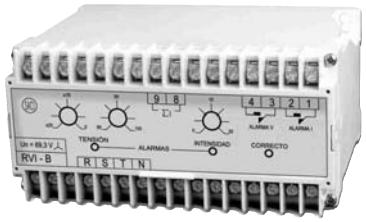
ANALOGUE INSTRUMENTS

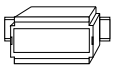
VOLTAGE AND CURRENT SURVEILLANCE RELAY

Designed for supervising measurement board connections in installations or substations.
Detection of Current Unbalance, Voltages, Overvoltage and Undervoltage.

ALTERNATING CURRENT



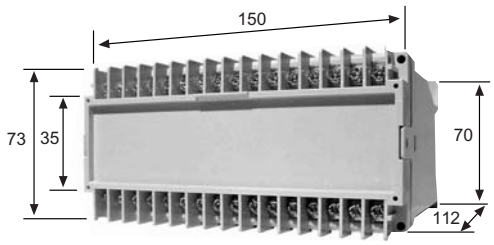
- Detection range:
  - · Unbalance 0 to 20 % of Vn.
  - · Unbalance 0 to 20 % of In.
  - · Undervoltage 80 to 100 % of Vn.
  - · Overvoltage 120 % of Vn.
- Class: 1
- Output features: 250 V, 3 A, 300 VA.
- Burden: 0.48 VA per phase



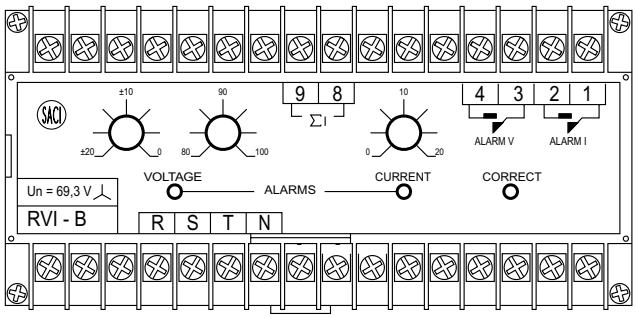
Model		**RVIA** (three-phase, 3 wire)	**RVIB** (three-phase, 4 wire)
Dimensions	mm	150x70x112	150x70x112
Approx. weight	Kg.	1,20	1,20
		VOLTAGE AND CURRENT SURVEILLANCE RELAY	
	V	110, 230 or 400 V	
	A	../5 A or ..1/A	

Current faults activate an alarm relay and any form of voltage fault activates a second relay. Has an indicator to show "CORRECT" status and two indicators to show "CURRENT FAILURE" and "VOLTAGE FAILURES".
Controls on the front allow comparison levels to be selected to set off the alarm. Two controls are for voltage, for unbalance levels (from 0 to 20 %), and undervoltage levels (from 80 to 100 %) and a third for current (from 0 to 20 %).
To operate, the three phases to be supervised are connected to the voltage inputs and the three currents pass through the associated toroidal transformer.

Dimensions



Connection diagrams



Connections:

Voltages, connected to terminals marked R, S, T and N. For three wire equipment, obviously neutral is not connected.
Currents, the toroidal transformer output is connected to terminals marked ⊐ (8 and 9).
Output relays have potential-free contacts and are insulated for complete connection flexibility.