



Powering Innovation



PROTECTION + AUTOMATION + CONTROL

**SINGLE POLE, NON-DIRECTIONAL, O/C OR E/F RELAY
WITH INST. HIGHSET
JRC 962P/JRC 962**

JVS ELECTRONICS PVT. LTD.

#121, Manchanayakanahalli,
Bangalore Mysore Highway, Bidadi,
Ramanagara District - 562 109, Karnataka, India
+91 94808 26272, +91 94808 26260
bangalore@jvselectronics.in, www.jvselectronics.in

FEATURES

- ◆ Software based design
- ◆ DIP switch settings
- ◆ Choice of four curves
- ◆ Instantaneous high set
- ◆ Very low burden

APPLICATION

Time graded protection of generators, Transformers, capacitors etc



TECHNICAL DATA

RATING

RATING	: 1A or 5A
Current rating (In)	: 20 to 60V DC or
Auxiliary Supply	: 80 to 260V AC/DC

CURRENT SETTING (INVERSE TIME)

Over current (1>)	: 50 to 200% in steps of 10%
Earth Fault (1>)	: 5 to 80% in steps of 5%
Instantaneous high set	: 2 to 16 times 1> set value

OPERATING CHARACTERISTICS

Inverse time Characteristics	: 3s Normal inverse
	: 1.3s Normal inverse
	: 1.5s Very inverse
	: 0.8/0.6s Extremely inverse
Time multiplier setting (TMS)	: 0.01 to 1.6 in two ranges
	1st range: 0.01 to 0.32 in steps of 0.01
	2nd range: 0.05 to 1.6 in steps of 0.05

ACCURACY

Operating value	: 105 to 120% of set current
Resetting value	: 80 to 97% of the pickup value
High set operating value	: ±5%
Inverse operating time	: ±5% or ± 30ms (which ever is higher)
High set operating time	: < 40ms @ 2 times the set current
Reset time	: 200 to 250ms
Over shoot time	: Less than 100ms

BURDEN

Auxiliary circuit	: 3W (Non-operated) 6W (Operated)
Current input circuit	: 1A-0.05 VA (max) at rated current 5A- 0.2 VA (max) at rated current

OUTPUT CONTACTS

For JRC 962P/JRC 962	: Trip - 1N/O Alarm-2N/O
----------------------	-----------------------------

CONTACT RATINGS

For JRC 962P/JRC 962	: Trip - 10A at 24V DC/ 230V AC Alarm -5A at 24V DC/ 230V AC
----------------------	---

OVER LOAD RATINGS

Current input	: 2 times the rated continuously 20 times the rated for 3s
---------------	---

MECHANICAL DESIGN

Weight	: 550gms approx.
Case size	: 96sqmm, Depth 105mm
Installation	: Flush mounting
Panel cutout	: 92mm x 92mm

STANDARD COMPLIANCE

Accuracy test	: IEC 60255-3
Insulation test	: IEC 60255-5
1 MHz HFD test	: IEC 60255-22-1

ORDERING INFORMATION

Current rating	: 1A or 5A
Curve selection	: 0.8 or 0.6s Extremely inverse
Relay type	: JRC 962P/JRC 962 - Single Pole, Non-Directional, O/C Or E/F Relay With Inst. Highset
Auxiliary Supply	: 20 to 60V DC or 80 to 260V AC/DC