



SYSTEM CONTROLS & SWITCHGEARS



Online Solutions for Electrical Needs

Overview

System controls & switchgears is one of the fastest growing companies in India. Established in 1983, a privately owned company has unrivalled experience in the distribution of electrical products. SCS business covers a broad range of Medium Voltage Switchgears, Low Voltage Switchgears, Power Capacitors, Internal wiring accessories, Lighting, Metal Detectors, Energy Management Products and other products. Over the last 3 decades history, we've developed strong relationships with customers. Our strength lives in all of our people, who have extended our tradition of service and integrity to customers in every location and situation, and who take pride in making us one of the most resilient resources in the products we deal.

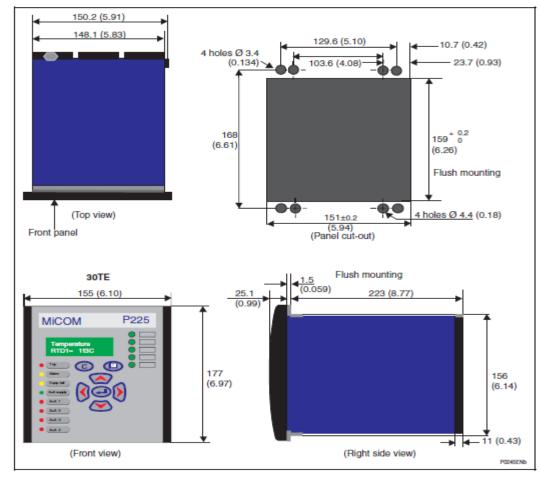




OLD RELAY- MICOM P220



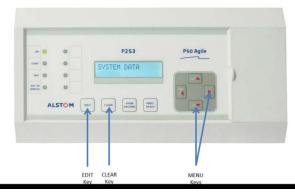
Weight : about 2.5 Kg External size : Height Case 152.2 mm Front panel 177 mm Width Case 148,1 mm Front panel 155 mm Depth Case (flush part) 140,8 mm Case + Front panel 166 mm







NEW RELAY- MICOM P253

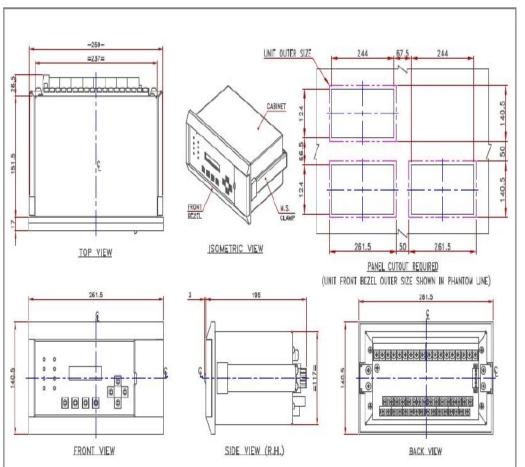


P253 case dimensions Design Flush mounting case

Weight 3.50 Kg approximate

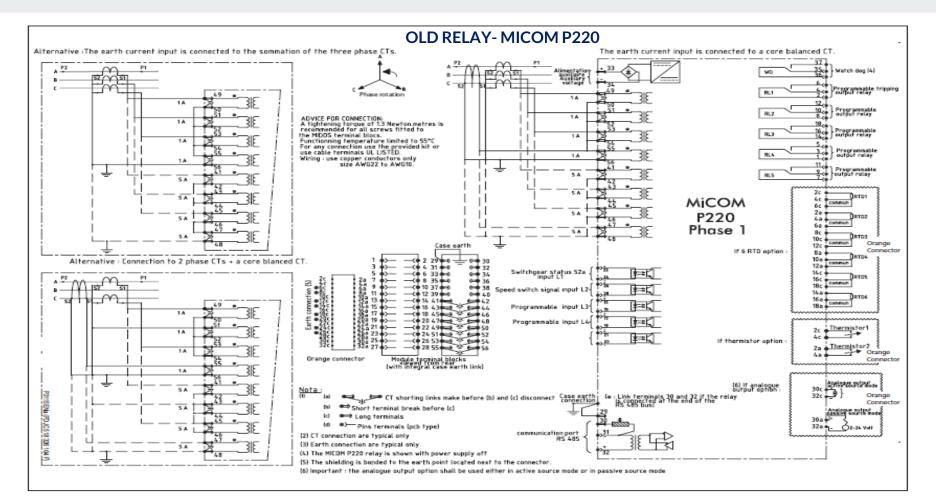
The P253 hardware comprises of following main components:

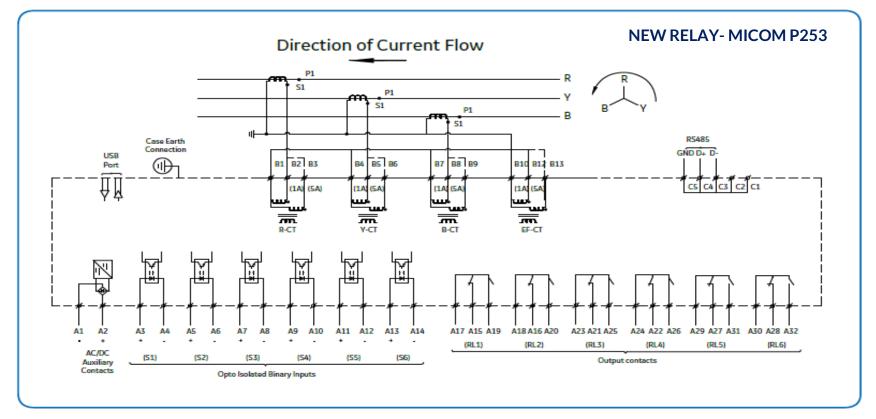
- Housing, consisting of a front panel and connections at the rear
- Microcontroller module
- Analogue input module
- Digital input module
- Digital output module
- Communication module
- Power supply unit
- Human machine Interface (HMI) module



PROTECTION FUNC	CTIONS		
ANSI	Features OLD RELAY- MICOM P220	P220	P225
50/51	Three-Phase Overcurrent	-	-
50N/51N	Earth fault	-	-
50BF	Break Failure	-	-
66	Number of starts limitation	-	-
37	Loss of load/Underpower	-	-
46	Negative Sequence Overcurrent	-	-
49	Thermal Overload	-	-
27/27LV/59	Undervoltage/Overvoltage		-
86	Latching of output relay	-	-
48/51LR	Start/Stalled protection/Motor Re-acceleration	-	-
	Undervoltage Auto-Restart / Load restoration sequence		-
51S	Locked rotor during start-up	-	-
14	Speed switch input	-	-
26	Optional RTD/Thermistor inputs	6/2	10/3
CONTROL AND MO	NITORING		
Features		P220	P225
Emergency Restart		-	-
Programmade Scheme Logic (4 basic equations)		-	-
CB Control & Monitoring		-	-
Trip Circuit Supervision		-	-
Setting Groups		2	2
MEASUREMENT &	RECORDS		
Features		P220	P225
Measurements		-	-
Power and Energy Measurements			-
Hours Run		-	-
CB Operations		-	-
Disturbance Records up to number x 2.5 sec (backed-up)		5	5
Fault Records (backed-up)		25	25
Event Logging (backed-up)		250	250

ANSI	Function Overview NEW RELAY- MICOM P253	Motor
	Protection	P253
50	Definite time overcurrent	-
50N	Neutral/Earth definite time overcurrent	
51	IDMT overcurrent	
51N	Neutral/Earth IDMT overcurrent	
68	Inrush blocking	
49	Thermal overload	•
37	Undercurrent detection/Loss of load	
46	Negative sequence overcurrent	
46BC	Broken conductor	
50BF	Circuit breaker fail	
CLP	Cold load pick-up	
64R	Restricted earthfault	
14	Speed switch input	
48	Prolonged start (excessive long start)	•
515	Locked rotor (during starting)	•
51LR	Locked rotor (during normal running)	•
66	Excessive number of starts	
86	Latching of output contacts (Lock out)	
	Control Functions	
74	Trip circuit supervision	
	Watchdog function	
	Self monitoring & diagnostics	
	Test/Commisioning facilities	





*Disclaimer:-

Info given herein is for ease of understanding. Customized tech info is for specific purpose SCS suggests you to take confirmation on technical details from GE experts SCS does not take responsibility or claim this will suit your needs.



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