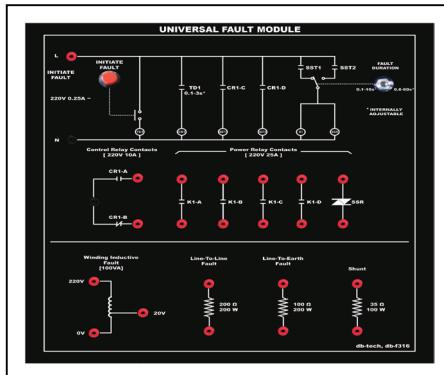


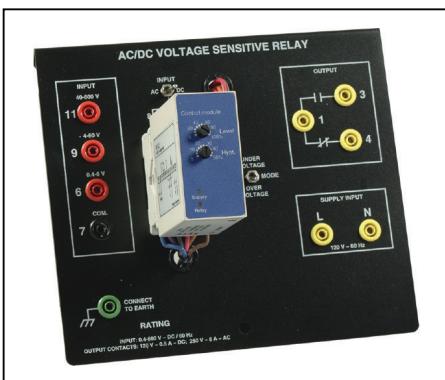
PROTECTIVE RELAY TRAINING SYSTEM



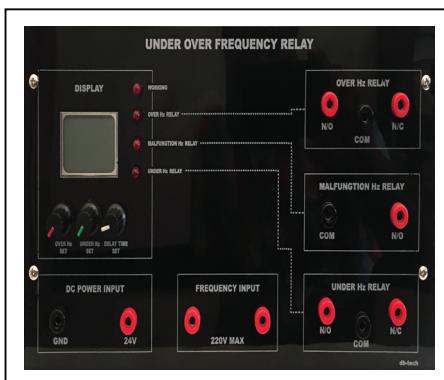
Power Supply



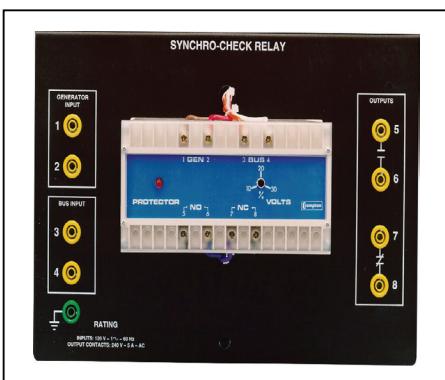
Universal Fault Module



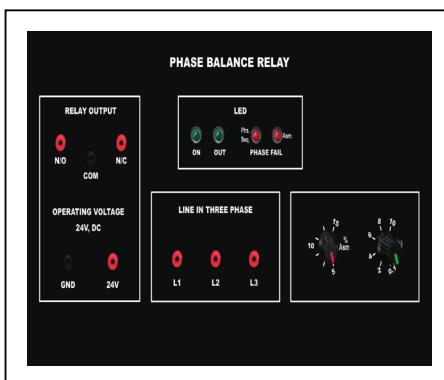
AC/DC Voltage Sensitive Relay



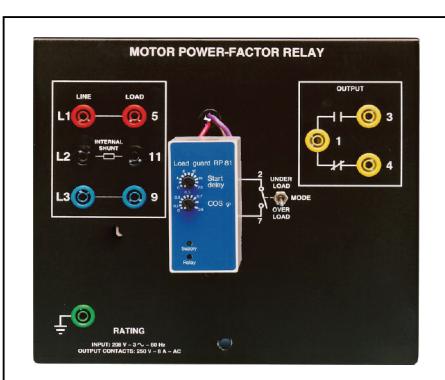
Under/Over Frequency Relay



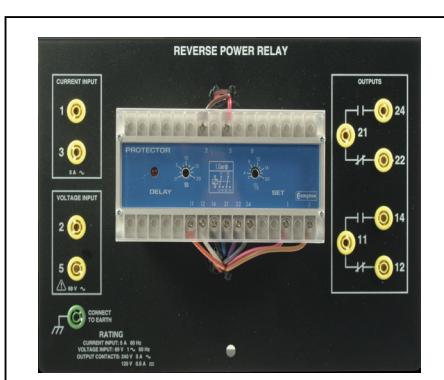
Synchro-Check Relay



Phase Balance Relay



Motor Power-Factor Relay



Reverse Power Relay

S/L	Item Name	Specification	
01	Protective relay control station	240/415-50Hz	
	DC power supply	Input voltage Output voltage Output current	240/415v AC, 3 phase 120v 5A
	AC power supply	Input voltage Output voltage Output current	240/415v AC, 3 phase 110v, 220v, 400v 5A at 110v, 10A at 220v, 10A at 400v
	Control relays 1	Coil voltage Contact rating	120v DC 3A at 150v DC, 10A at 240v AC
	Control relays 2 (CR1 to CR 4)	Coil voltage Contact rating	120v DC 3A at 150v DC, 10A at 240v AC
	Time delay control relay 1	Coil voltage Contact rating Time delay rating	120v DC 0.5A at 120v DC, 10A at 240v AC 0.05 to 5 seconds
	Time delay control relay 2	Coil voltage Contact rating Time delay rating	120v DC 0.5A at 120v DC, 10A at 240v AC 0.5 to 30 seconds
02	Current sensitivity relay module	240/415-50Hz	
		Current metering range Max input current Hysteresis range Output contact Operating voltage	0.4 ~ 6A 8A 5% to 50% of selected current metering range 10A at 250v AC 220v AC, 2.5A
03	Three phase under over/voltage relay module	240/415-50Hz	
		Nominal input voltage Maximum input voltage Under voltage set point range Over voltage set point range Hysteresis range Output contact	69v, line to neutral 120% of nominal input voltage 75% to 100% of nominal input voltage 100% to 125% of nominal input voltage 1% to 15% of nominal input voltage 2 x SPDT, 5A at 240v AC
04	AC/DC volt sensitivity relay module	240/415-50Hz	
		Voltage metering range Maximum input voltage Hysteresis range Output contact Operating voltage	40 to 600v 650v 5% to 50% of selected metering range 8A at 250v AC 240v, AC
05	Under/over frequency relay module	240/415-50Hz	
		Nominal frequency Nominal input voltage Maximum input voltage Frequency range Synchronizing limit adjustment range Output contact	50Hz 120v 120% of nominal input voltage 40 to 60 Hz 0.1 to 3.0 Hz 2 x SPDT, 5A at 240v AC
06	Synchro-check relay module	240/415-50Hz	
		Nominal input voltage Minimum input voltage Maximum input voltage Frequency range Synchronizing limit adjustment range Output contact	120v 70% of nominal input voltage 130% of nominal input voltage 45 to 65 Hz 10% to 30% of nominal input voltage 2 x SPDT, 5A at 240v AC
07	Phase balance/sequence relay module	240/415-50Hz	
		Nominal input voltage Minimum input voltage Unbalance set point range Time delay range Output contact	120v, line to line 120% of nominal input voltage 5% to 15% of nominal input voltage 0.5 to 10 seconds DPDT, 5A at 240v AC

08	Reverse power relay module	240/415-50Hz
	Nominal input voltage Minimum input voltage Nominal input current Maximum input current Reverse power set point range Time delay range Output contact	69v AC 120% of nominal input voltage 5A AC 200% of nominal input current 2% to 20% 0 to 20 seconds DPDT, 5A at 240v AC
09	Motor power factor relay module	240/415-50Hz
	Nominal input voltage Minimum input voltage Maximum input voltage Minimum input current Maximum input current Power factor set point range Start delay range Output contact	415v, 3 phase 90% of nominal input voltage 110% of nominal input voltage 0.5A AC 6A AC 0 to 0.9 0 to 20 seconds SPDT, 10A at 250v AC
10	Electromechanical relay module	240/415-50Hz
	Nominal input voltage Minimum input voltage Maximum input voltage Maximum current Auxiliary switching option Output contact	220v AC 10% of nominal input voltage 10% of nominal input voltage 300mA NO & NC TPST, 16A at 450V
11	Work station	All module in a portable single station
12	Probes	25pcs, Max load 15A