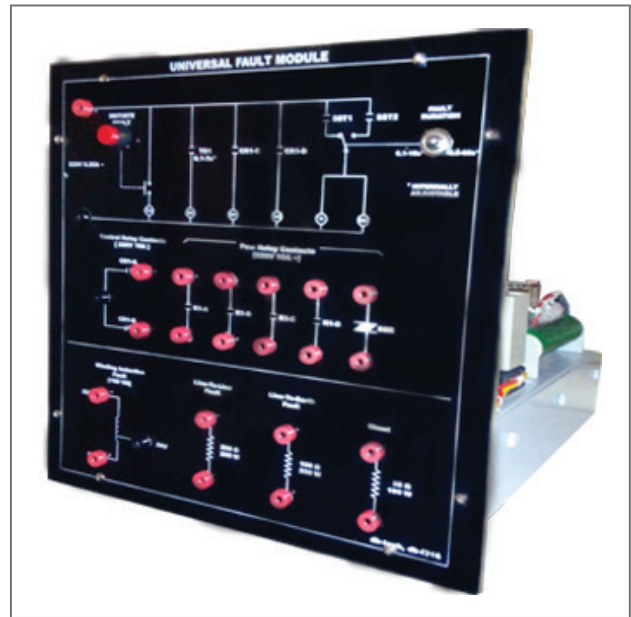


GENERAL DESCRIPTION

The Universal Fault Module consists of control relays, adjustable time delay relays, contactors, a solid-state relay (SSR), current-limiting resistors, and an inductor, all installed in a full-height EMS module. These components allow faults to be inserted into the electrical power system (EMS system) for training in protective relaying applications. Typical faults include line-to-line and line-to-earth resistive faults as well as resistive and inductive faults.



Specification

Parameter	Value
Winding Inductive Fault	
Nominal Voltage	220 V
Apparent Power	100 VA
Line-to-Line Fault	
Type	Resistive
Resistor Ratings	200 Ω, 200 W
Line-to-Earth Fault	
Type	Resistive
Resistor Ratings	100 Ω, 200 W
Shunt	
Resistance	35 Ω
Power	200 W
10 A at 220 V ac	10 A at 220 V ac
Relay K1	
Contact Ratings	25 A at 220 V ac
Solid-State Relay (SSR)	
Maximum Current	10A ac
Maximum Voltage	220 V ac
Relay TD1	
Time Delay Range	0.1 to 3 s
Relay SST1	
Time Delay Range	0.1 to 10 s
Relay SST2	
Time Delay Range	0.6 to 60 s
Physical Characteristics	
Dimensions (H x W x D)	308 x 287 x 440 mm (12.1 x 11.5 x 17.3 in)
Net Weight	12.4 kg (27.3 lb)