
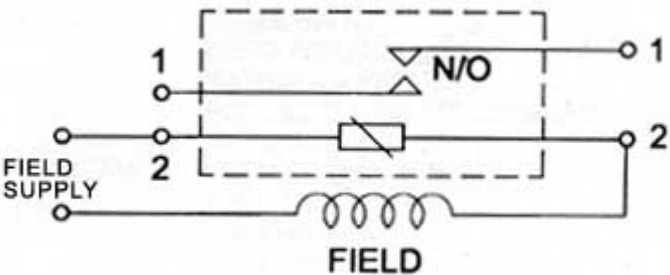


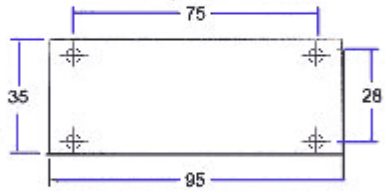
Field Failure Relays



**NO EXTERNAL POWER SUPPLY NEEDED
INSTANTANEOUS TRIP**



*** CAN BE INCREASED WITH MULTIPLE TURNS**

CURRENT RANGES (Amp.)	PICK-UP CURRENT (+/- 5%)	DROP-OUT CURRENT (Less Than)	SIZE (mm)	CONTINUOUS CURRENT : 100 % OF THE MAXIMUM CURRENT RATING CONTACT : NORMALLY OPEN (N/C AT EXTRA PRICE) 15 Watts max. 400 V AC max. 1 Amp. Max.
0.1 to 0.5	80 mA	50 mA	95 X 35	
0.2 to 0.7	180 mA	100 mA	95 X 35	
0.7 to 1	600 mA	350 mA	95 X 35	
1 to 2	850 mA	500 mA	95 X 35	
2 to 4	1.8 Amp	1.0 Amp	95 X 35	
4 to 6	3.6 Amp	2.0 Amp	95 X 35	
6 to 10	5.0 Amp	2.5 Amp	95 X 35	
10 to 15	8.0 Amp	5.0 Amp	125 X 60	
15 to 20	12.0 Amp	6.0 Amp	125 X 60	
20 to 30	18.0 Amp	9.0 Amp	125 X 60	
30 to 60	27.0 Amp	13.0 Amp	125 X 60	

FIELD FAILURE RELAY, also known as **FIELD LOSS RELAY** protects the DC Shunt wound motor or main circuit, under open Field conditions, or in the absence of the field supply

Speed of the Shunt Wound DC Motor increases as the Field supply is weakened.

Theoretically motor runs at infinite speed if run without Field supply. This break opens the armature coils from the commutator and totally damages the Prime Mover.

The **FIELD FAILURE RELAY**, when used in series with the Field circuit, ensures that no power is supplied to the Armature unless Field circuit is complete.

FIELD FAILURE RELAY is a truly current operated device. As there is no iron core, there is no magnetic storage and actuating time is less than 1.2 milliseconds. This is also used as safety guard in DC clutches, solenoids and brakes.

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