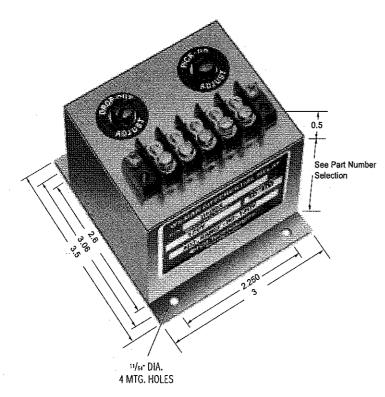
Electronics

WILMAR™ Protective Relays - D100X Series, Close Differential



Note: Dimensions in inches. Multiply values by 25.4 for dimensions in mm.

PRODUCT SPECIFICATIONS		
Part Number	D100X	
Nominal Voltage	AC, Single Phase, see part number selection	
Nominal Frequency	50 to 400 Hz.	
Pick-Up Adjustment Range	67-100% of nominal voltage	
Drop-Out Adjustment Range	67-100% of nominal voltage	
Maximum Differential Setting	33% of nominal voltage	
Minimum Differential Setting	2% of nominal voltage	
Output Contacts	Form C (SPDT)	
Contact Ratings	5 Amp resistive at 120 VAC or 28 VDC	
Operating Temperature Range	-20°C to +85°C	
Expected Life	10 million operations	

inverse Time Drop-Out: The differential relay contains a time delay before operation so that momentary voltage transients do not aftect the operation of the relay. The time delay has an inverse time characteristic so that excessive voltage conditions will cause a more rapid dropout. This time delay is approximately 200mSec. (12 cycles) at the trip settings and decreases to 30 mSec. at approximately 15% beyond the trip settings.

Function:

- ANSI/IEEE C37.90-1978
- UL file No. E58048



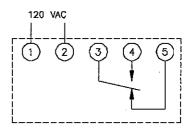




Close Differential Relays are voltage sensitive. The pick-up and drop-out voltage settings are independently adjustable, which allows precise setting of the differential voltage. This relay is available in a wide range of AC and DC voltages. Their primary application is the sensing and control of transfer switches.

Operation:

Monitors a single phase AC signal, and is used for undervoltage detection. Has separate pick-up and drop-out voltage settings, providing an adjustable hysteresis.



PART NUMBER SELECTION	V
Sample Part No. D100X	
Model: L-L Volts	Height
D100X = 120 VAC	2'
D100-6X = 120 VAC, Spike Suppression	2'
D100-3X = 208 VAC	3.125"
D100-4X = 240 VAC	3.125"
D100-8X = 277 VAC	3.125"
D100-5X = 480 VAC	3.125"
D100-7X = 510 VAC	3.125"

Surge Withstand Capability is in compliance with the requirements of ANSI/IEEE C37.90B

Notes

- Remove black nylon protective screws to gain access to the two internal adjustment potentiometers.
- Clockwise rotation of the pick-up and drop-out adjustment will raise the voltage trip point.
- The relay contacts are shown in the de-energized state.

Consult factory for additional models.