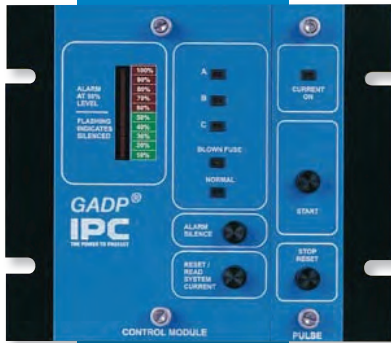




G A D P



GADP

The **GADP** ground fault alarm unit with its built in pulsing capability, paired with the OHMNI-PM resistor, is ideal for resistance grounded power systems where indication of the severity of the fault, indication of the faulted phase and the capability to locate the fault is required.

The GADP relay works on the principle of a change in line-to-ground voltage that occurs when a fault appears on one of the lines of a high resistance grounded system. For the purpose of measurement a resistor divider, I-GARD Type DDR2 is used which provides a proportional low voltage signal to the relay to indicate which phase is faulted and the fault level as a percentage of the maximum fault level of 100% (representing a complete short to ground on one phase).

the power to protect

Ground faults cause havoc on plant production processes, shutting down power and equipment and critical loads.

Ground faults disrupt the flow of products through manufacturing processes and cause data loss in computer centers leading to hours or even days of lost productivity.

Ground faults pose potential health and safety risks to personnel, creating hazards such as equipment malfunctions, fire and electric shock.

High Resistance Grounding (HRG) is becoming more prevalent in industrial and commercial electrical power systems because it eliminates un-scheduled downtime due to ground faults, and improves personnel safety by preventing ground faults from escalating into arc-flash incidents. Resistance Grounding is highly recommended for generators, to protect them from damage due to excessive ground fault currents.



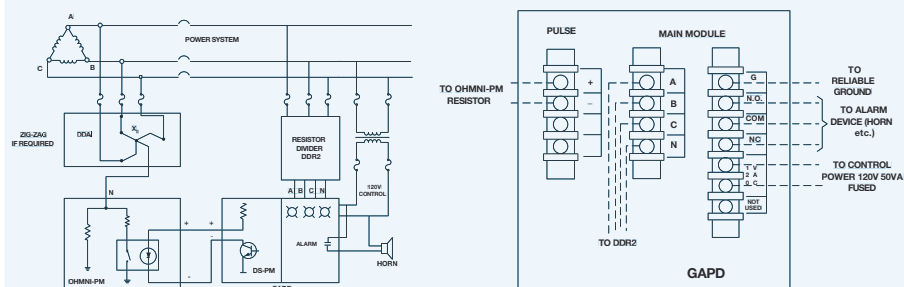
Alarm on first fault at 50% of fault current

Phase and fault magnitude indication

Built in pulsing capability

Available for 120V, 240V, 480V and 600V systems

IPC



Technical Specifications

Power Source	Power Supply	- 120V. 60 Hz, $\pm 10\%$
	Power Consumption	- Max. 50 Watts
	Operating Tolerance	- 104-132V recommended
	Under Voltage Tolerance	- 95V minimum
	Power Up Time	- 1 sec. reset on Power up
Output Relay Contacts		
Trip Relay	Type	- Form C
	Max UL Rating	- 8A @ 240 Vac resistive, 8A @ 24 Vdc
Temperature Range	Operating temperature	0°C to +60°C
	Storage temperature	-35°C to +70°C
Dimensions	Height	7.25" (184mm)
	Width	8.25" (210mm)
	Depth	9.00" (229mm)
Weight	GADP-MF2 (Frame)	4.84 lbs. (2.20 kg)
	GADP-CM2 (Control)	2.93 lbs. (1.33 kg)
	DS-PM	0.47 lbs. (0.21 kg)
Dielectric Test	1800V _{rms} , 50-60Hz, 1 sec.	
Surge Test	2.5 kV	
Remote Controls	Reset, Alarm Silence	
Ground Fault Pick up	Range	- 1,2,3,4,5,6,7,8,10,11,12,13,14,15,16,17A
	Alarm Setting	- 50% of selected let through current
	Accuracy	- $\pm 10\%$ of trip setting
Alarm Silence	Yes	
Reset Mode	Manual	
Indication	Phase Alarm	LED Flashing
	Main Alarm	Bar graph Display
	Fault Level	Bar graph Display
	Power On	Green LED
	Blown Fuse	Orange LED
Time	Alarm (Main)	0.50 sec.
	Phase Indication	1.0 ms
Accessories	R & T	ZSCS Sensors, Type A
	DDR2	Alarm Resistor 120-600V
	NGR/NGRW	Grounding Resistor
	DDAI	Artificial Neutral
Fault Location	Pulse Module DS-PM	



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