

### GC-200 Ground-Fault Relay System

The GC-200 Ground-fault relay system protects a grounded distribution system from low-level arcing ground faults. The system includes the GC-200 relay, a sensor (current transformer), and optional GC DSP display and is used with a bolted pressure switch or circuit breaker to open a circuit upon detection of a ground fault. (Replaces GC-100 relay.)

#### GC-200 Relay Features

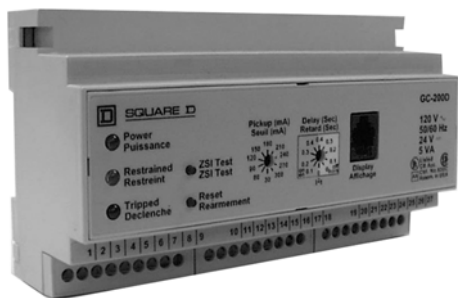
- Five models with sensitivities suitable for main, feeder, or branch circuits
- Ten adjustable pickup settings for each model
- Small, non-metallic enclosure mounts on DIN rail
- 10 A and 5 A output contacts for trip and alarm
- Zone-selective interlocking (ZSI) to optimize coordinated systems
- I<sup>2</sup>t inverse time characteristics

#### GC DSP Display (Optional)

- Real-time display of ground-fault values
- Also recalls ground-fault at last trip or at maximum since reset
- Allows remote testing or resetting of the relay
- LCD back-lit display
- Surface mounts over panel meter cutout
- Fine adjust pickup settings (D and E versions only)

#### Sensors

- Zero sequence sensing current transformers for all phases and neutral
- Several sizes of toroids and rectangular CTs
- Many are split-core or open frame for ease of installation



GC-200 Relay



GC DSP Display



T3B Toroid Sensor



GT912 Rectangular Sensor

Table 7.113: Ground-Fault Relay

Cat. No.	Description	Specifications	\$ Price
GC200A	Ground-fault relay	30 mA–300 mA	2960.00
GC200B		300 mA–3.0 A	2960.00
GC200C		3.0 A–30.0 A	2960.00
GC200D		30.0 A–300 A	2960.00
GC200E		120 A–1200 A	2960.00
GCDSP	Display module		948.00
GC4	Display cable	4 feet	96.00
GC12▲		12 feet	158.00
GC30		30 feet	302.00

▲ One GC12 twelve foot cable is included with GCDSP display modules.

Table 7.114: GC-200 Relay Settings

Cat. No.	Adjustable Pickup Settings (in Amperes)									
	0.03	0.06	0.09	0.12	0.15	0.18	0.21	0.24	0.27	0.3
GC200A	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3
GC200B	3	6	9	12	15	18	21	24	27	30
GC200C	30	90	90	120	150	180	210	240	270	300
GC200E	120	240	360	480	600	720	840	960	1080	1200

Table 7.115: GC-200 Sensors

Relay Cat. No.	Sensor Cat. No.	Type	CT Ratio	Window Dimensions		\$ Price
				in	mm	
GC200A	T2B	Toroid	700:1	1.875 dia.	48 dia.	2046.00
	T3B			2.75 dia.	70 dia.	2709.00
GC200B GC200C GC200D	T2A	Toroid	1000:1	1.875 dia.	48 dia.	704.00
	T3A			2.75 dia.	70 dia.	774.00
	T6A	5.75 dia.		146 dia.	774.00	
	T6AS	5.75 dia.		146 dia.	1326.00	
	T9A	8.75 dia.		222 dia.	1106.00	
	R713A R417A R826A	Rectangular		7.5 x 13.5	191 x 343	3063.00
		4.25 x 17.625	108 x 448	3650.00		
		8 x 26.5	203 x 674	4446.00		
All "A" type sensors above, plus:						
GC200E	RZ511	Rectangular, Open Frame	1000:1	4.5 x 11	114 x 280	1914.00
	RZ521		1000:1	4.5 x 21	114 x 534	2255.00
	RZ531		1000:1	4.5 x 31	114 x 788	2706.00
	RZ535		1000:1	4.5 x 35	114 x 890	2834.00
	RZ1011		1000:1	10.5 x 11	267 x 280	2450.00
	RZ1021	1000:1	10.5 x 21	267 x 514	3075.00	
	RZ1031	1000:1	10.5 x 31	114 x 788	4233.00	
	GT912	Rectangular, Open Frame	600:1	5.5 x 8.5	140 x 216	1769.00
	GT918		600:1	5.5 x 14.5	140 x 368	2058.00
	GT930		600:1	5.5 x 26.5	140 x 673	2766.00
	GT1218	Rectangular, Open Frame	600:1	8.5 x 14.5	216 x 368	2645.00
	GT1224		600:1	8.5 x 20.5	216 x 521	2901.00
	GT1230		600:1	8.5 x 26.5	292 x 673	3246.00
	GT1327	Rectangular, Open Frame	600:1	9.5 x 24	241 x 610	2844.00
	GT1330		600:1	9.5 x 27	241 x 686	3219.00
GT1530	600:1		11.5 x 26.5	292 x 673	3726.00	