

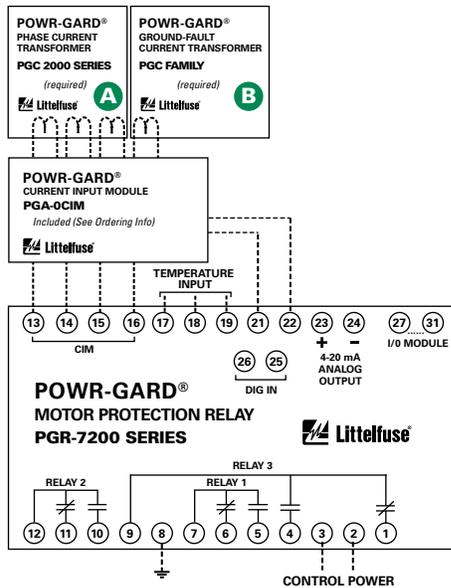
# PGR-7200 SERIES

## Feeder Protection Relay



NOTE: The PGR-7200 consists of the Feeder Protection Relay (pictured above) and the PGA-OCIM Current Input Module (not pictured).

### Wiring Diagram



### Ordering Information

CATALOG/ SYSTEM NUMBER	COMMUNICATIONS
PGR-7200-00-00	TIA-232
PGR-7200-01-00	TIA-232 & RS-485
PGR-7200-02-00	TIA-232 & DeviceNet™
PGR-7200-04-00	TIA-232 & Ethernet

NOTE: The PGR-7200 consists of the Feeder Protection Relay and the PGA-OCIM Current Input Module (not pictured). To order the relay only, add (-FPU) to the part number listed above.

ACCESSORIES	REQUIREMENT	PAGE
PGC 2000 Series	Required	38
PGC Family	Required	38

### Description

The PGR-7200 Feeder Protection Relay provides integrated protection, metering, and data-logging functions. It is an excellent choice for retrofitting and upgrading older relays, because of its compact size and ability to use existing CTs. The PGR-7200 is used to protect distribution feeders in processing, manufacturing, petroleum, chemical, and wastewater treatment facilities.

### Features & Benefits

FEATURES	BENEFITS
<b>IEC &amp; IEEE Overcurrent Protection Curves</b>	Definite and inverse time settings for system coordination; prevents catastrophic failures
<b>Two Setpoint Groups</b>	Create distinctive settings for maintenance or for two different loads
<b>Reduced Overcurrent Mode</b>	Maintenance mode setting to reduce the risk of Arc-Flash Hazards
<b>Data Logging</b>	On-board 100-event recorder and remote data logging helps with system diagnostics
<b>Overload</b>	Prevents insulation failures and fires; extends motor life
<b>Phase Loss/Phase Reverse (Current)</b>	Detects unhealthy supply conditions
<b>Unbalance (Current)</b>	Prevents overheating due to unbalanced phases
<b>Communications</b>	Remotely view measured values, event records & reset trips

### Accessories

- A** **PGC-2000 Series Phase Current Transformers**  
Required CT detects phase current or ground-fault current (200-A primary). Other current ratios available.
- B** **PGC Family Ground-Fault Transformers**  
Required zero-sequence current transformers detect ground-fault current. Available with 5-A and 30-A primary ratings for low-level pickup.

### Specifications

<b>Protective Functions (IEEE Device Numbers)</b>	Overload (49, 51)	Definite-Time Overcurrent (50, 51)
	Phase sequence (46)	Inverse-Time Overcurrent (50, 51)
	Unbalance (46)	Ground fault (50G/N, 51G/N)
	Phase loss (46)	RTD/PTC temperature (49)
<b>Input Voltage</b>	65–265 Vac, 30 VA; 80–275 Vdc, 25 W	
<b>Power-Up Time</b>	800 ms at 120 vac	
<b>Ride-Through Time</b>	100 ms minimum	
<b>24-Vdc Source</b>	400 mA maximum	
<b>AC Measurements</b>	True RMS and DFT, Peak 32 samples/cycle and positive and negative sequence of fundamental	
	50, 60 Hz	
<b>Frequency</b>	50, 60 Hz	
<b>Output Contacts</b>	Three Form C	
<b>Approvals</b>	CSA certified to US and Canadian standards	
<b>Communications</b>	TIA-232 (standard); TIA-485, DeviceNet™, Ethernet (optional)	
<b>Analog Output</b>	4–20 mA, programmable	
<b>Conformally Coated</b>	Standard feature	
<b>Warranty</b>	10 years	
<b>Mounting (Control Unit)</b>	Panel (standard)	
	Surface (with PGK-OSMK converter kit)	
<b>(Current Input Module)</b>	DIN, Surface	