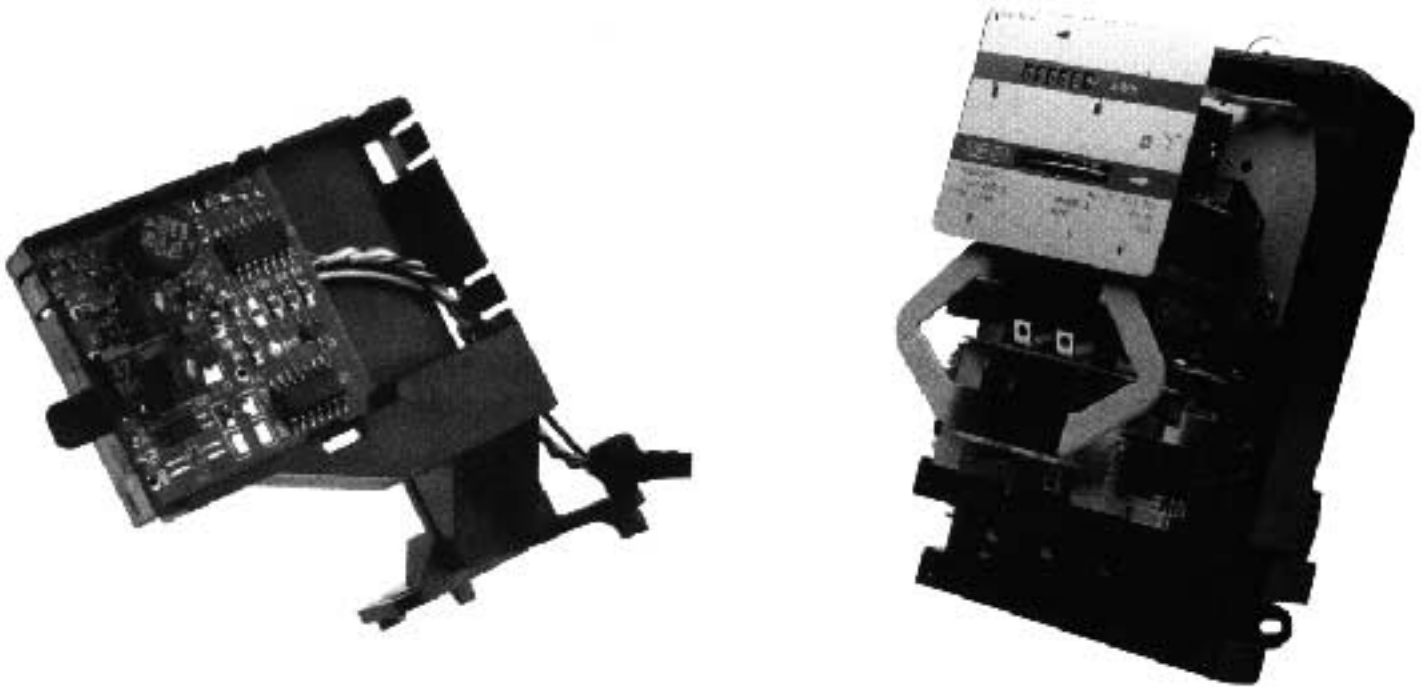


Model DS-800 Optical Pulse Initiator



General Description:

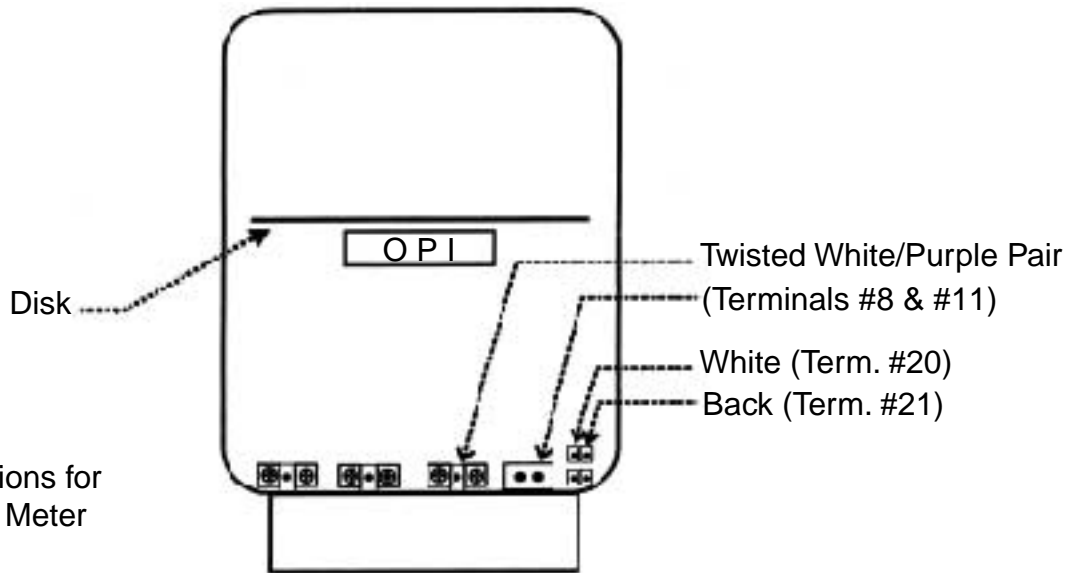
The DS-800 Optical Pulse Initiator (OPI) utilizes an infrared (IR) reflective sensor and is designed for use with the factory markings that are supplied on the disk of Siemens (Landis & Gyr-Europe) Model CM133 and MM2600 meters. The OPI circuitry is powered from 120 VAC mains. It's digital open collector output signal is optically isolated via a Darlington transistor. The unit's IR emitter/reflective sensor sub-assembly and electronics are mounted on a PC board designed for snap-in mounting into a Siemens P/N 461875790 shell.

An optional version of the DS-800 includes provisions to sense the second (quadrature) track on the disk, in order to produce a digital indication of the rotational direction. The directional output is optically isolated in the same manner as the pulse output. In the event that the directional output is not used, a KYZ pulse output is available on special order.

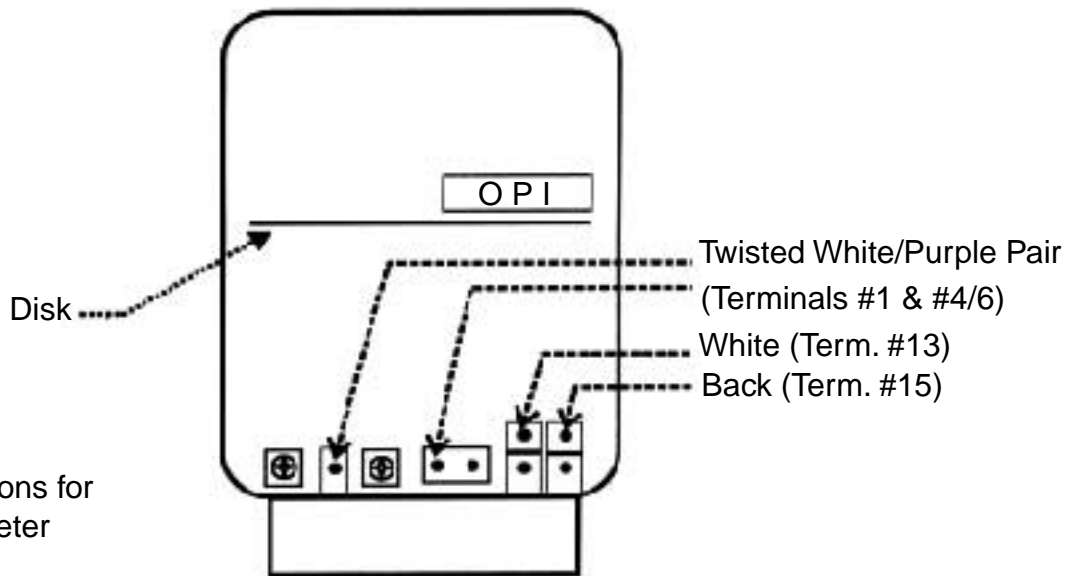
Features:

- ♦ Infrared
- ♦ Economical
- ♦ Optically Isolated
- ♦ Reverse Disk Detection

Pulse Initiator Connections for
L&G Model MM2600f3 Meter



Pulse Initiator Connections for
L&G Model CF133f3 Meter



Specifications:

Operating Power: 120 Vrms \pm 20%, 50-60 Hz <1 watt
 Maximum Pulse Rate: 6 per second
 Pulse Duty Cycle: 50%
 Pulse Output: Form A Darlington transistor open collector

Max. Output Voltage:	25 volts	Pullup under 5k:	Pullup under 5k:
Output Saturation Voltage:	1.5 Volt @ $I_c = 5mA$		Phototransistor, open collector
Output Lead Color Codes:	Common > Black		.7v @ 100uA
	Pulse > Yellow (Low = non-reflective segment)		
	Direction > Green (Low = ccw disk rotation)		

Output Isolation Test Voltage: 2kV @ 60 Hz for 1 minute
 Sunlight Immunity: Per 600w Calif. PUC Test A1
 Operating Temperature: -25 to 55deg. C
 Humidity: 0 to 95% non-condensing
 PCB Size: 34 x 34mm