



# RAILGEN™ CONTROL SYSTEMS

## ***"MARK 6" SERIES DIGITAL CONTROL SYSTEMS***

### ***Kit #31207 - Remote Digital Panel***

### ***Kit #31170 - Local Control Panel***

#### ***Control System Features:***

- Automatic and Manual Start / Stop Functionality
- Remote Start/Stop
- Automatic Shutdowns and Warnings
- 150 Event Log
- J1939 CAN Bus Protocol
- Front Panel or PC Configurable
- Auto-Crank and Preheat
- Priority Emergency Stop Switch
- Engine Function Readouts
- Over-crank and Overspeed
- Starter Lockout
- Fault Indication
- Optional Remote Tele-metrics

#### ***Digital Readouts:***

- Oil Pressure
- Engine Speed
- Engine Temperature
- Hour Meter
- Battery Voltage
- Real-Time Clock with Time/Date
- Oil Level
- Displays 3-Phase AC Volts, Amps and Hz.

#### ***Set Points for:***

- Over/Under Speed
- Over/Under AC Voltage
- Overcurrent



#### **Remote Panel**

These rugged and reliable control panels are engineered for seamless control, protection, and engine instrumentation display. The controllers can be configured through the panel interface or programmed using dedicated configuration software. The Local and Remote panels communicate seamlessly using J1939 CAN Bus protocol and both allow control and monitoring of engine.

#### **Engine/Generator Protection:**

- Automatic Start/Stop capable.
- Engine monitoring of oil pressure, engine speed, engine temperature, DC Volts, and hour meter.
- Automatic shutdowns on low oil pressure, high engine temperature, overspeed, over-crank and starter and lockout conditions.
- Generator metering of Amps, Hertz, AC voltage and current.
- CT Driven shutdown provision for over-current, over/under voltage, and under-speed.

#### **Includes:**

1 Unit Mounted Control Panel, 1 Remote Panel (shipped loose), and 3 Current Transformers (shipped loose).

All Stadco™ Railgen™ Control Systems are factory wired, tested and optionally installed as needed. Standard Control Interface wiring is included and wired to the generator distribution box.



#### **Unit Mounted Panel**

Some items shown may be optional equipment or may vary depending upon customer requirements.

**LOAD CIRCUIT BREAKERS ARE NOT INCLUDED IN MARK 6 GENSETS**

©2025 STADCO® PRODUCTS DIVISION

PO BOX 586 • 34 STAUFFER LANE • EPHRATA, PA 17522

PHONE: (717)738-2500 • FAX: (717)738-2550

EMAIL: gensales@staufferdiesel.com • Website: www.stadcogen.com

S232.25 Rev 00 1072025