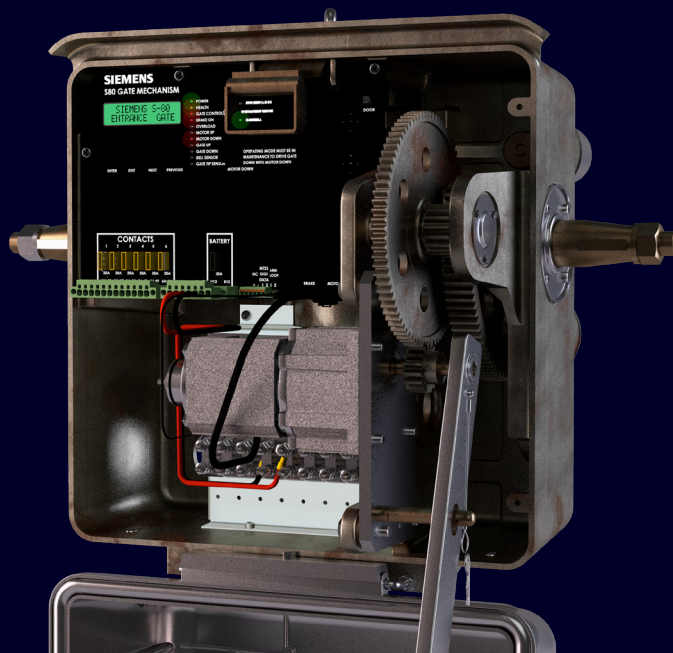




RAIL AUTOMATION

S-80 Grade Crossing Gate Mechanism

Siemens' S-80 Smart™ Gate Mechanism is a quantum leap in technology over existing competitive products. The S-80 is fully programmable and no longer has any mechanical cams and contacts to maintain. It has six digital contacts, two of which are vital for gate position indication and the control of the flashing lights.

The S-80 utilizes a brushless DC motor with advanced motor control that provides soft start/soft stop operation reducing the need for periodic maintenance and dramatically improving the life expectancy of the entire gate assembly.

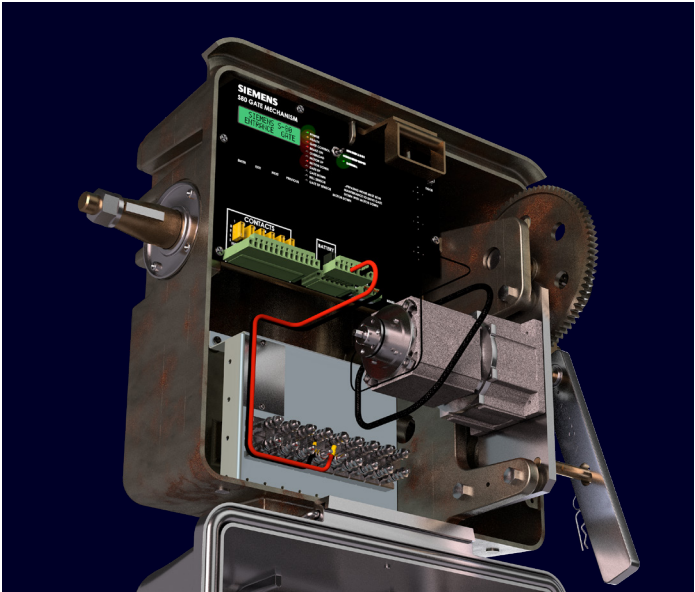
Mini Track Side Sensor (MTSS) functionality is now built into the S-80's control board so there is no longer a need to have a secondary module for bell, gate arm position and lamp monitoring.

Conversion from an Entrance gate to an Exit gate application is done by simply moving a jumper on the back of the control board. There is no longer a need to have two completely different mechanisms for these applications.



General Features

- Maintenance-Free Brushless DC Motor
- Six Digital I/O Contacts (no cams & contacts)
- Advanced Digital Motor Control
- Counterweight Calibration- Intelligent Torque Setting (ITS) Feature
- Programmable Gate Arm Retention Feature
- Low Maintenance Drive Train
- Fully Programmable Operation
- Digital Display & LED Diagnostics
- Integrated MTSS Functionality
- Easy Entrance to Exit Gate Conversion
- Remote Monitoring Enabled via a Data Serial Port



General Data

Specification	Parameters
Series Designation	All Models
Housing & Cover	Cast aluminum alloy
Gear Train	33:1 reduction (gear motor output to main shaft)
Operating Voltage	9 to 36 DC (12 & 24 VDC Nominal)
Operating Current	6-15 A (current varies with gate arm length)
Weight	Varies on options selected (110 pounds (50 kg) Mechanism only)

The S-80 is RailFusion enabled, allowing for monitoring of your crossing gate system—accessible remotely from anywhere.

