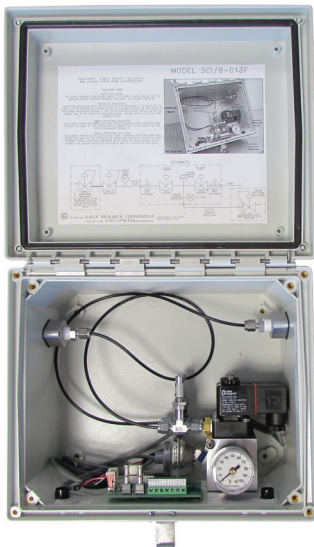


SOLENOID CONTROL INTERFACE



The Solenoid Control Interface (SCI) allows Eagle products to perform remote control of pressure or flow.

An existing gas regulator can be converted to remotely control pressure or flow without requiring any process piping modifications. Only some instrument tubing and regulators are required for the interface.

The SCI uses low power solenoids modulating up to 100 PSIG output loading pressure to operate self-contained or pilot operated pressure regulators. The pneumatic valve output signal can also be used to control diaphragm actuated valves or positioners requiring the typical 3-15 or 6-30 PSIG valve commands.

The standard unit has an operator interface:

- AUTO - MANUAL Switch
- RAISE - LOWER Switch
- Output Gage
- Switches provide local operator control when in manual.

The interface board supports two pressure transducers

- Loading Pressure (Valve Output) feedback 0 to 50 or 0 to 100 PSIG
- Regulated pressure (process variable) any standard pressure range

Specifications:

- Intrinsically Safe Solenoid Valves, Class 1 Division I or II Installation
- MAX Supply Pressure: 110 for the 100 PSIG unit and 60 for the 50 PSIG unit
- MAX Loading Pressure 50 or 100 PSIG
- Optional Supply and Protection Regulators

The SCI unit does not come with any supply or protection regulators. They must be customer supplied or ordered separately.

Uses no gas during steady state conditions

■ Input Power:

- 12 VDC without IS barriers (Class I Div II)
- 24VDC when using IS barriers

■ **Ease of Installation:** Complete station re-piping not required. Tubes directly to the pilots spring cage.

■ **Environmental:** Reduces bleed gas associated with I/P converters.

■ **Economical:** Reduces tubing/valve requirement, installation/maintenance times reduced, no need for I/P converters, pneumatic or motor control valves.

■ **Remote Control:** All ERC products support various communications options enabling remote control of your system without being on-site.

■ **Warranty:** Four years on all Eagle manufactured components.

