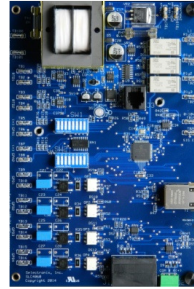# Selectronix, Inc.

SLC4000 Touchscreen and Process Gateway Salient Features

The Selectronix Touchscreen gateway, Process gateway, and SLC4000 step controller provides a *low cost, scalable*, direct digital control for staged electric boilers, air duct heaters, and more!

Touch Screen Gateway (TSGW)

The *color touch screen, (available in 4", 7", and 10")* gateway provides an intuitive operator and communication interface for BACnet or Modbus based building management systems. Actively control and monitor the Process Gateway and the SLC4000 step controls. The HMI from Red Lion is supported by their *free* Crimson 3.1 software for easy configuration and customization.

Touch Screen Gateway Features

- Provides interface to a building management system (BMS) using either BACnet IP, Modbus TCP/IP, Modbus serial, or Ethernet I/P protocol.
- **Security features to control access to data change capability**
- Enables remote data entry to simulate connection with the BMS for startup and testing, and alarm acknowledgment.
- Field configuration of network addresses, real-time clock with battery backup, and SD card for database backup and changes!

Touch Screen Gateway Accessible Data (Short List)
- *Colorful, aesthetic, and intuitive touchscreen operation.*
- Interactive display and touchpad-entry of the various settable parameters for alarm and control.
- Outdoor air reset and/or remote digital or analog reset capability.
- Switchable to use Local Step Command and Load Limit of the master SLC4000 step controller.
- Displays real-time % step command, from either the integral PID or auxiliary signal, and step control relay status

Process Gateway (PGW)

1. **2 PID control loops**, 1 for temperature and 1 for pressure or other general purpose signal transmitters.
2. Each PID set point may be modified by the 2nd RTD, analog sensor, or analog input. This feature implements Outdoor Air Reset or discrete signal-based reset. The PID parameters are field adjustable through the BMS.
3. 2 RTD channels are sensed with instrumentation amplifiers for accurate measurements.
4. 2 analog inputs for analog transmitters or analog signals.
5. 4 optically-isolated digital120Vac/24Vac/24Vdc inputs with
   a. Selectable logic combinations and configurable polarity
6. 3 relay outputs may be operated by selectable sources or set via the BMS
7. A 0-10V Voltage Driver is provided with selectable source signals.
8. Optional electrically isolated BACnet MSTP, supporting 9600, 19200, 38400, and 76800 baud rates

*******************Made in USA*******************

UL Recognized Component File E124742 for US and Canada!