The XSIG Interface adds 4-20mA Set point capability to M4 and S8 Controls.

### Wiring

**Wiring the EMS Signal**

- The signal must be a two-wire 4-20mA.
- A system sensor must be installed to the M4 or S8 control.
- The External Set Point must be set up correctly (See M4 and S8 documentation). These settings will allow the M4 and S8 to read and monitor the system temperature and also monitor the 4-20mA input to remotely adjust the set point to the desired value.
- The XSIG Interface can source the current for the 4-20mA input signal. It provides an excitation DC current. If using the XSIG Interface to source the power, attach the (+) side of the EMS/BMS signal to the XSIG Interface terminal marked +. Attach the (-) side of the EMS/BMS signal to the XSIG Interface terminal marked SIGNAL.
- If the EMS/BMS or other equipment signal sources the current (provides the excitation voltage), attach the (+) side of the 4-20mA input to the XSIG Interface terminal marked SIGNAL. Attach the (-) side of the 4-20mA input to the XSIG Interface terminal marked GND.
The XSIG interface can either source DC current or accept DC current from an EMS/BMS System. Each configuration has a different wiring schematic. Wiring the current to the “+” and “Signal” terminals will damage the XSIG interface.

Connecting S8 to Two Extension Panels
and XSIG Interface using RS485

Connecting the XSIG interface to the M4 or S8
- The XSIG Interface connects to the M4 or S8 using an RS485 (phone plug).
- When having to use the RS485 to connect to Extensions, use the extra RS485 (phone plug).
- The control, XSIG Interface and two Extensions can be connected in series using the RS485.