

MAXITROL

Selectra[®] SC11 Signal Conditioner (Replaces SC10C-B6S1)

INSTALLATION INSTRUCTIONS

- For direct or indirect fired gas applications
- Control multiple Selectra valves simultaneously
- Small footprint

DESCRIPTION

The track mounted SC11 converts a controller's DC output signal of 4-20 mA or 0-10 V to a 0-20 V DC signal used to control Selectra valves. Toggling between 4-20 mA or 0-10 V is achieved with an on-board 3-position DIP switch: 4-20 mA - all positions on; 0-10 V - all positions off.

Model	Input	Output
SC11	4 - 20 mA or 0 - 10 V	0 - 20V DC

Modulator and modulator-regulator valves are available up to 5 psi (350 mbar) inlet pressure, 30,000 CFH (850 m³/h) maximum, and pipe sizes from 3/8" to 4". (For additional valve information see Bulletin M_MR.MT.EN, or consult your Maxitrol sales representative.)

SC11 OUTPUT TO VALVE:

0 - 20 VDC. Maximum Load: 1.8 A

AMBIENT TEMPERATURE:

-40° to 158°F (-40° to 70°C)

POWER REQUIREMENTS:

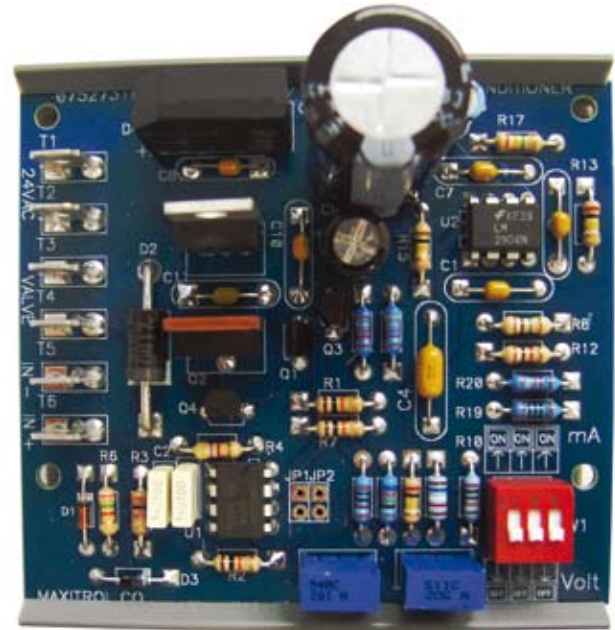
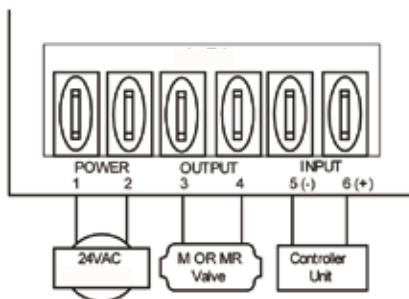
24V AC, 20 VA* (50/60 Hz) transformer.

*VA Dependent on number of valves controlled.

(Maximum Load: 1.8 A)

NOTE: No grounded secondary.

WIRING DIAGRAM:



ACTUAL SIZE SHOWN
DIMENSIONS: 3.10" W x 3.00" H x 1.75" D

CAUTION

READ PRIOR TO INSTALLATION:

To Avoid Internal Damage to the SC11 Signal Conditioner Follow These Guidelines.

1. Transformer secondary must **not** be grounded in any portion of the circuit external to the SC11 signal conditioner. A separate, independent transformer is recommended.
2. Multiple SC11 signal conditioners controlled by a signal source with common outputs (terminals 5 & 6) require separate transformers for each SC11 signal conditioner.
3. Multiple SC11 signal conditioners powered by a single transformer require independent signal inputs (terminals 5 & 6) to each SC11 signal conditioner.

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