

**FEATURES**

- Single or dual input option jumper
- Four buffered outputs
- 2 3/16" Snap Track mounting

**APPLICATIONS**

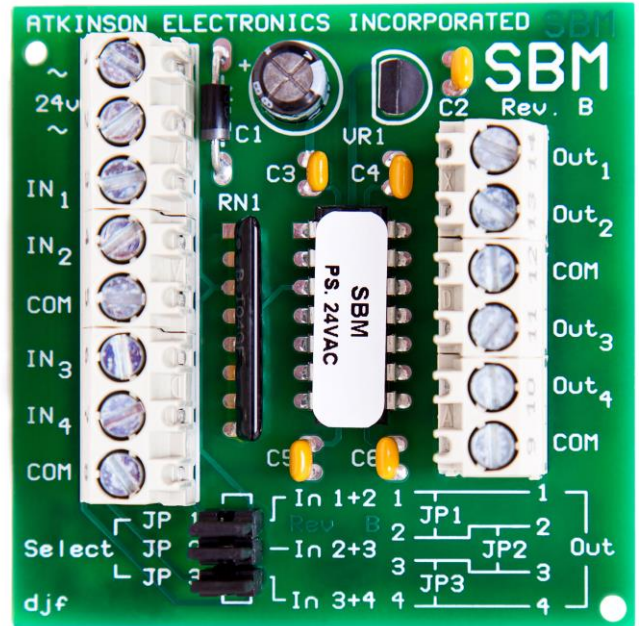
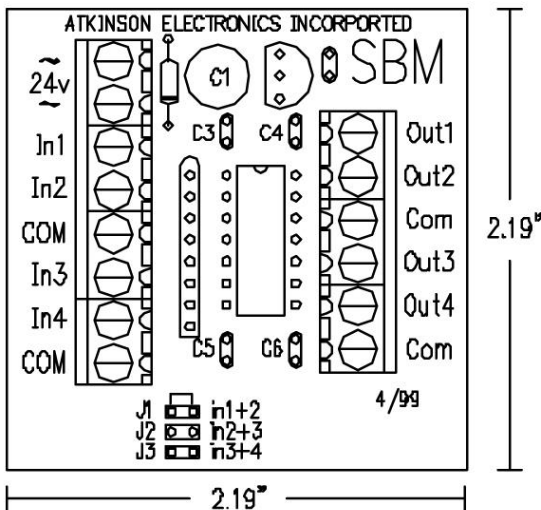
- Master/ slave configuration of a control signal for up to five controllers
- Master/ slave configuration of 2 control signals for 2 additional controllers
- Signal buffering to four valve or damper actuators

**DESCRIPTION & OPERATION**

A Signal Buffer Module (SBM) that provides 4 buffered output signals from a single input or 2 sets of 2 buffered output signals from 2 input signals, or 4 individual inputs & outputs. The SBM only passes the voltage found on its input, there is no signal scaling available. If scaling is needed the recommend products are: ASM1 for single channel use or MASC for 4 channel scaling.

The SBM uses an industry standard half wave rectifier power supply in which terminal #2 of AC supply and the input/output signal commons (-) are connected. The SBM has high impedance inputs to avoid any loading effect on input signals. Each output has an op-Amp, configured as a voltage follower, able to sync the pull-up voltage provided by the controller's application specific inputs (STAEFA's SM2 inputs 0-3).

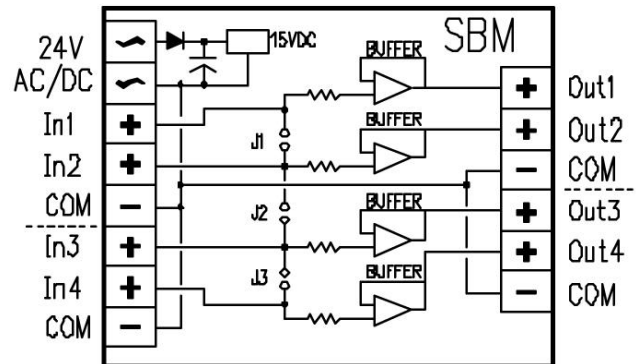
**PHYSICAL CONFIGURATION**



**SPECIFICATIONS**

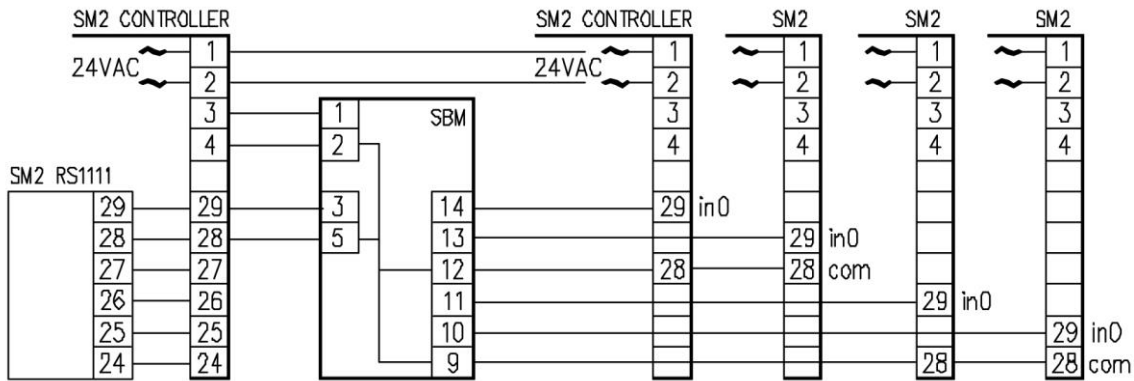
SIZE:	2.190 "W x 2.190 "L x 1.0 "H
MOUNTING:	2.187" Snap Track (supplied)
POWER:	24VAC ± 15%, 50/ 60 Hz .5VA 24VDC @ 20mA
INPUT SIGNALS:	1-10VDC or anything in between
OUTPUT SIGNALS:	Output tracks input signal 1-10VDC op-Amp buffered Will sync or source up to 20mA per output channel
AMBIENT TEMP:	0-85°C

**WIRING CONFIGURATION**



APPLICATION 1

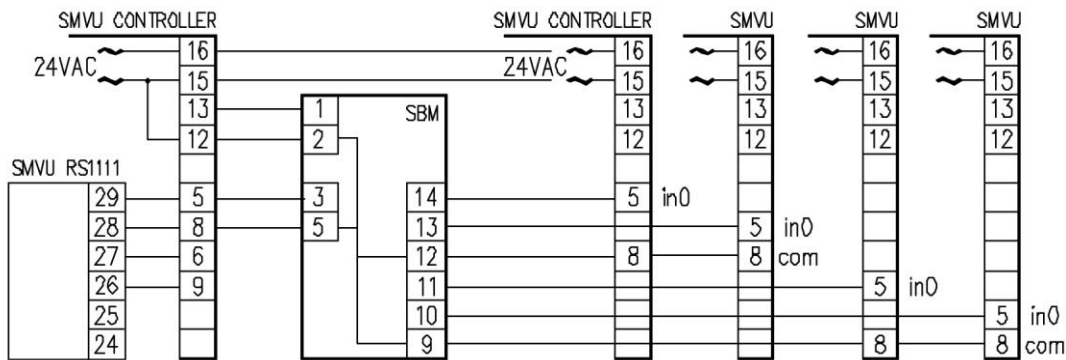
PASSING SM2 ROOM STAT SIGNAL TO FOUR ADDITIONAL SM2 CONTROLLERS



The SBM was designed to provide four buffered outputs to drive input #0 of four Smart 2 controllers from a single master controller and its room sensor (connect jumpers J1, J2, & J3). Terminal 2 of the SBM is common to both input and output common (-) terminals. The Aux 24VAC of the SM2 can be used but polarity must be observed.

APPLICATION 2

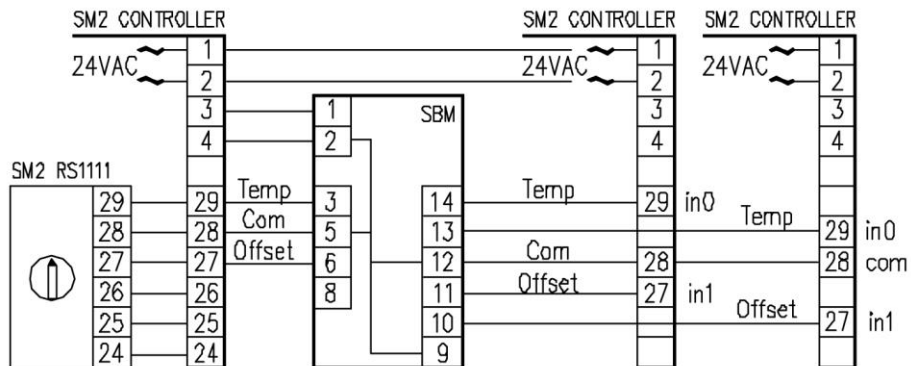
PASSING SMVU ROOM STAT SIGNAL TO FOUR ADDITIONAL SMVU CONTROLLERS



The SBM was designed to provide four buffered outputs to drive input 0 of four SMVU controllers from a single master controller and its room sensor (connect jumpers J1, J2, & J3). Terminal 2 of the SBM is common to both input and output common (-) terminals. The aux 24VAC (terminals 13, 12) of the SMVU can be used but polarity must be observed.

APPLICATION 3

PASSING TWO ROOM STAT SIGNALS TO TWO ADDITIONAL CONTROLLERS



The SBM designed to provide two sets of buffered outputs to drive inputs 0 & 1 of two additional controllers from a master controller and its room sensor (connect jumpers J1, & J3). Terminal 2 of the SBM common to both input and output common (-) terminals. The aux 24VAC (terminals 3, 4) of the SM2 can be used but polarity must be observed.