

TECHNICAL BULLETIN

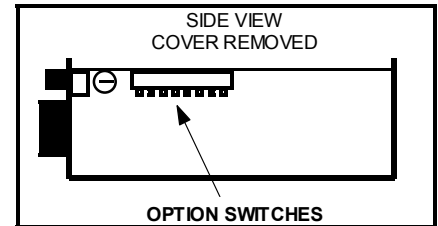
SUBJECT: SA-400-10 Auxiliary Input Activation Polarity
BULLETIN #: 0347 Rev.A
RELEASED: 06-06-05
UNIT S/N: All
MODULE S/N: N/A

The SA-400-10 siren Auxiliary input has been enhanced to allow selection of activation polarity. Earlier SA-400-XX models established that the Auxiliary input was activated with positive (+VDC) and negative (-VDC or GND). This is the Traditional Auxiliary input. Now on SA-400-10 models after S/N 04190000 the activation polarity may be selected with an internal DIP switch.

Polarity Selectable Auxiliary Input

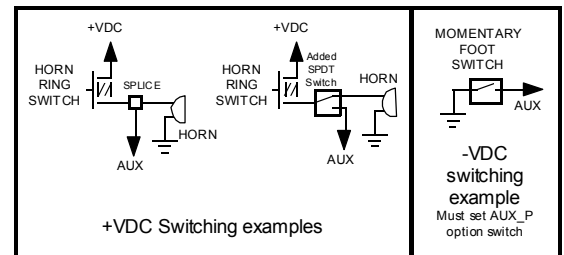
On current SA-400-10 sirens (S/N greater than 04190000) an internal DIP switch may be used to select the activation polarity for the Auxiliary input.

The following table indicates how to set the DIP switches for desired activation. Note the DIP switches are labeled "AUX_1", "AUX_2", and "AUX_P" on PCB.



Activation	AUX_1	AUX_2	AUX_P
Positive and Negative Activation (See Traditional Auxiliary Input)	ON	OFF	OFF
Positive Only Activation (Factory Default)	OFF	ON	ON
Negative Only Activation	OFF	ON	OFF

These diagrams are examples for wiring.



Traditional Auxiliary Input

On earlier SA-400-10 sirens (S/N less than 04190000) and SA-400-XX models the auxiliary input is activated with positive (+VDC) AND negative (-VDC). A normally open horn ring circuit or switch is required for proper operation. If a normally open circuit is not used the auxiliary input will constantly be activated. If this is the case, a diode must be placed in series with auxiliary input to block the normally off state.

