Question:

Please provide recommended circuits for use with SONARtrac transmitter alarm contacts

Answer:

An electrically isolated switch closure occurs between AL+ and AL- whenever the limits specified in the transmitter setup for Alarm are met. These limits can be changed or disabled through the local keypad and display. The maximum applied voltage between AL+ and local ground and AL- and local ground shall be within the range of +30V / -10V. The load current shall be a maximum of 100mA.

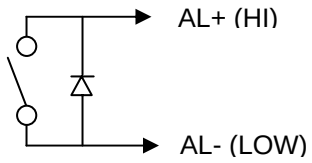

Figure 1 Alarm Switch Closure

External Circuits:

The following is a circuit example when the load is 100mA maximum

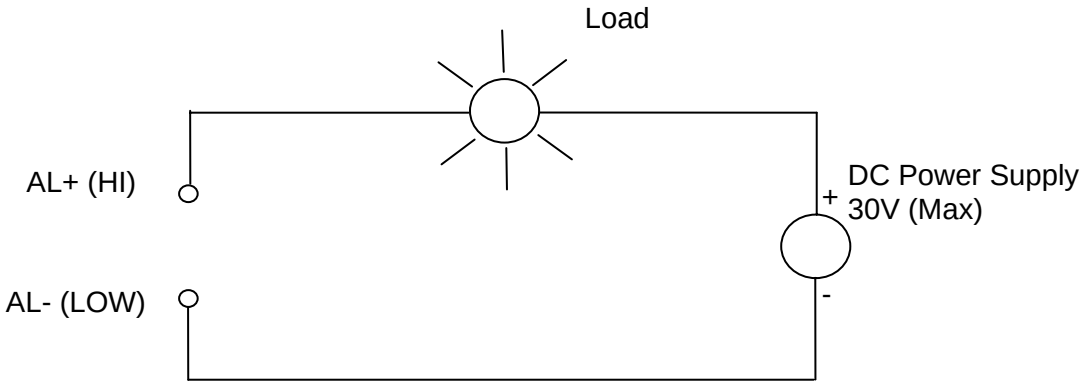

Figure 2 Example Alarm Circuit Diagram With Load 100mA Maximum

The following is a circuit example when the load is greater than 100mA.

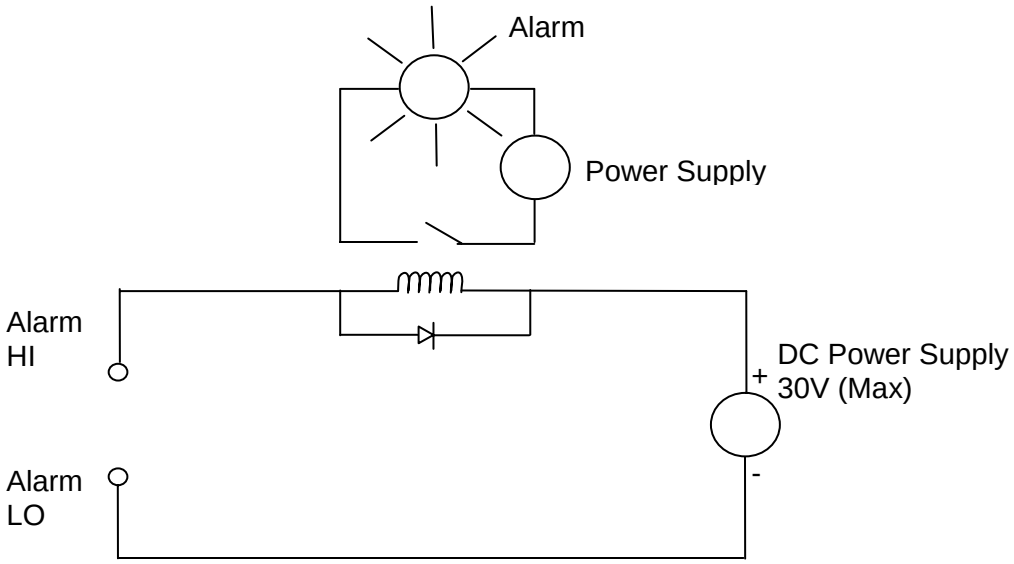

Figure 3 Example Alarm Circuit Diagram With Load Greater Than 100mA

Contact CiDRA Corporation Technical Support if additional information is required.

Revision History

Rev	Date	**Changed By**	**Approved By**	Change Description
01	**8/22/07**	**B. Markoja**	**M. Sapack**	**Initial Release**
02	**7/29/08**	**V. Rojas-Haines**	**V. Rojas-Haines**	**Update figures and name**