

SRM6000/6100 Manual Addendum

Instructions for AE422 (4-Wire) Modem Module

Introduction

The SRM6000/6100 can be converted to a four wire AE422 interface by installing the AE422 modem module. The AE422 port will allow up to 4000' separation between the modem and host PC/PLC connected to it, operation in full and half duplex up to 8 multi-drops.

The modem module is a potted circuit with an attached cable harness, and back panel with four-position barrier strip. This module performs the RS232 to AE422 conversion within the potted enclosure. The AE422 signal is connected to the four-position barrier strip on the new rear panel (included) of the enclosure. The AE422 modem module will operate up to 115.2 Kbaud.

****NOTE: THIS MODULE MUST BE DISCONNECTED BEFORE THE RS232 PORT CAN BE USED INCLUDING FOR CONFIGURATION PURPOSES.**

Installation and Operation

The steps are as follows:

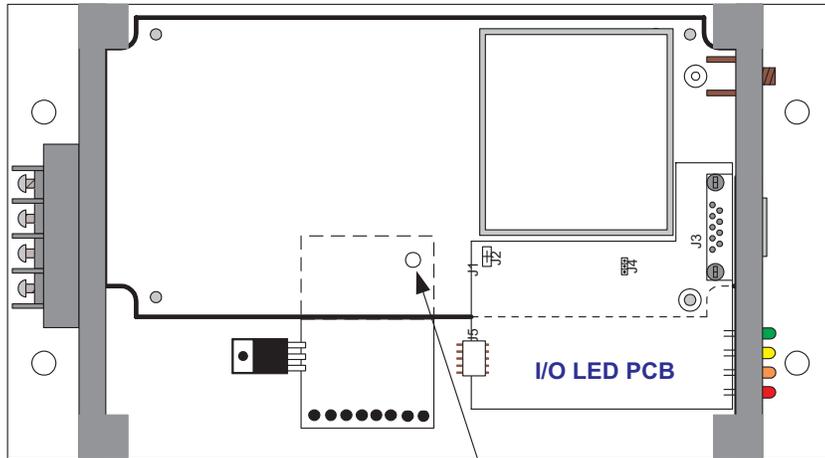
1. Remove cover and back panel.
2. Install the module to the base with the provided mounting screw and kepnut. Use care not to over-tighten.
3. Attach new back panel to the base with the config hole on the same side as the switch.
4. Attach wire harness to the 5-position locking header on the I/O PC B.
5. Replace cover.
6. Connect your AE422 signal wires to the barrier strip left to right as follows: DO-, DO+, RI-, RI+.
7. When this conversion has been made the RS232 data-port will not function. The yellow and green LEDs will now represent AE422 data in and out.

If the RS232 protocol is desired for a different application or for modem configuration changes, follow these steps:

1. Remove cover.
2. Remove red 5-position connector from white 5-pin right angle header on I/O PCB.
3. Disconnect your field wires from the barrier strip on rear of modem.
4. Replace cover.
5. Connect RS232 device directly to 9-pin Dsub connector.

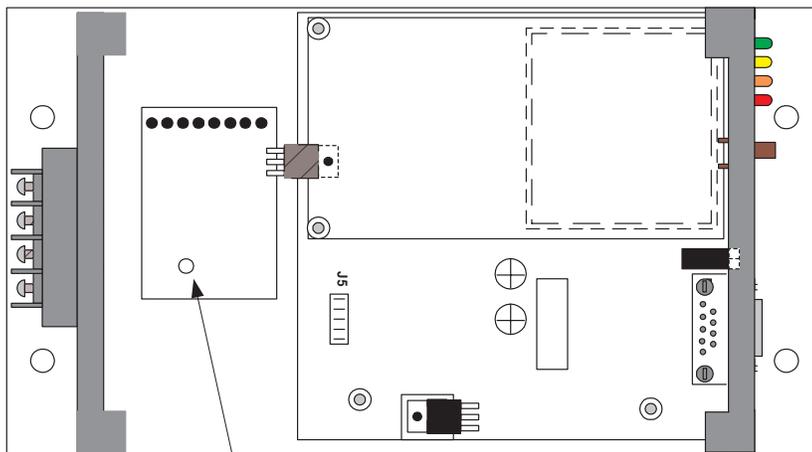
Connection Guides

SRM6000 with large radio module



Mounting hole location for potted module to base.

SRM6000/6100 with small radio module



Mounting hole location for potted module to base

Technical Support

If further information is needed, please call Technical Support at (425) 882-2206 or email support@data-linc.com.