Abriox
Rectifier Monitor Installation

#	Instruction	Comments
1	Connect wiring to Merlin Rectifier Monitor	Wiring scheme will vary with each project. Refer to the Installation instruction guide for various options.
2	Wake the Merlin unit with magnet swipe.	The Merlin LED will blink (green). The unit will now attempt to connect to the AT&T cellular network. This could take a few minutes based on signal strength in the area. Once the Merlin has connected, the green LED will blink once every two seconds. The Merlin will remain "awake" for 20 minutes to complete the install. If you need more time, another magnet swipe will give you an additional 20 minutes.
3	Send the Merlin a "read" command. **Cmd:read**	The green LED will display two quick blinks to signal that the message has been received. This could take 10 seconds …to a few minutes depending on network traffic. The Merlin will send a message back to your phone displaying the readings for each of the channels. Example: CPM:020 UNIT: (Serial #) TR VOLTS:xx.xxV SHUNT:xx.xxmV ON:0mV OFF:0mV
4	Send the Merlin a "config" command. **Cmd:config hq1:+15008205056**	This command tells the Merlin unit which phone number to send it's readings to every day. The green LED will display two quick blinks to signal that the message has been received. Again, this could take 10 seconds …to a few minutes depending on network traffic. The Merlin will send a return message to your phone confirming the config: CPM:009 UNIT: (Serial #) MTIME:18:00 RDAY:MON RTIME:02:00 RETRY:1 RETRY-HRS:6 ACK:MSG LED:ON HQ1:+15008200646 HQ2:OFF The above response is the default configuration for reporting day and reporting time.
5	Send the Merlin an "install" command. **Cmd:install pipe:_Company_ loc:_Rectifier Name_**	This command will install the unit into the Abriox database for viewing on the iCPSM software. It will create a folder in the software for **SUNOCO**…and inside that folder will be an icon for the Rectifier and/or Merlin Test Post units set up. You will receive a confirmation text message from the database (in the UK): Unit (Serial #) has been installed successfully
6	Send the Merlin unit a "timezone" command **Cmd:synctime timezone:- 05:00**	This command will tell the Merlin unit what time zone it will be living in. This will be important for identifying power outages and other events along the pipeline. It is recommended that a single time zone is selected for all units along a pipeline…even if the pipeline crosses time zones. The time zone you enter, should be in relation to GMT.