

Reboot Commands for RTUs

Abstract

Discussion of various ways to remotely reboot RTUs

Introduction

We usually reset RTU'S remotely from the host via the host INR command. However, the host INR command will delete the local point definitions from the RTU solid-state disk. This can sometimes be undesirable. We often simply want to reboot the RTU but leave the point definitions intact. This is similar in effect to powering down and back up again.

Using RTX

Generally, using the host RTX "REBOOT" command is the easiest way to do this – but your RTU sw must support this command. The command is supported in all of the following RTU sw:

- V1_4R11r or better
- All V1_5 sw
- All V8 sw

If you are not running the above sw in your RTU, then the RTX "REBOOT" command will not work. In that case, consider using SENDIT as shown in the next section.

Using SENDIT

If you cannot use the RTX "REBOOT" command, then consider using the host SENDIT program. This command is supported in all of the following RTU sw:

- V1_4R09 or better
- All V1_5 sw
- All V8 sw

The procedure is as follows:

- Run the host SENDIT program
- Set the proper RTU id (99 in the example below).
- Set the menu option 5 (SELECT POINT #) to "128".
- Set menu option 6 (SELECT PACKET COMMAND) to "50".
- It is also useful (although optional) to set the menu option 8 (SELECT MODE) to "N".

A complete final display is shown below as an example.

MAIN MENU

- 1) EXIT
- 2) SELECT Node ID (UNJMVA = Primary Host)
- 3) SELECT NCC ID (1 = HSQ NCC)
- 4) SELECT RTU ID (99 = Claus4862)
- 5) SELECT POINT # (128)
- 6) SELECT PACKET COMMAND (50 = INIT RTU)
- 7) SELECT DATA VALUE (50)
- 8) SELECT MODE ("N")
- 9) SEND PACKET

WHICH [9]?