

ISCO MODEL 2108 SOFTWARE HISTORY

REVISION 1.04

Software Release Date: 03/16/06

Enhancements:

- 1- Added new triggers functionality that enables and/or combinations of logic equations for secondary rate data storage. The new Flowlink 5.0 stage 2 is needed to configure the new functionality.
- 2- Added the ability to update firmware remotely through the network. This enables firmware updating over a modem connection through a 2103/C modem which also has updated firmware.

REVISION 1.03

Software Release Date: 10/07/04

Corrections:

- 1- Added code to not process incoming messages from the SLTA or neuron while the router is configuring after an address change.
- 2- Added code for detection and clearing of a Neuron error. We were seeing error code 0x85 from the neuron which indicates a bad address. It would then stop sending messages although it would still receive them.
- 3- Added extra filtering for detection of bad addresses.
- 4- Added error log entries of NURON_RQ from the neuron task when a bad address is detected. The neuron now waits longer - about 3 seconds of inactivity before it goes to sleep.
- 5- Added the FLOOD diagnostic command but is conditionally compiled out. Added reporting of the task associated with sending an invalid formatted IAM.
- 6- Hard coded to use the modem timing for all connections -even direct ones since Telog may use the pass-through mode.
- 7- Removed unused code from Slta_Comm_Buffered which read last_rcv_time.
- 8- Rewrote the transmit side of Slta_Comm_Buffered to place the NI_ALERT at the beginning of the buffer so we only make one call to fput_data() which will help reduce interrupt overhead.
- 9- Changed to address looping messages when the customer disconnects the serial cable and plugs the (loop back) cap on the top connector.
- 10- Added carrier detection to terminate communications when the modem drops the line.
- 11- Added a synchronization call in the H8MASTER file to resync the Neuron and H8 communications when an unhandled command code is detected.
- 12- Added the HALTED state to system processes to put them in during address changes. This should help prevent lockups when a sys proc has a file open and the file system gets

a reset. It will watchdog timeout if things do not go as expected.

- 13- Fixed problem with ZAP memory which may cause lockups or abnormal restarts.

REVISION 1.02

Software Release Date: 04/19/04

Enhancements:

- 1- Added Modbus ASCII support.
- 2- Added code to check for an improperly set neuron address and correct it.
- 3- Added support for 2 minute data logging.

REVISION 1.00

Software Release Date: 09/25/02

Enhancements:

- 1- First release of 2108 analog output code. Must use Flowlink version 4.15 or greater to configure the 2108.