

## DL3000-RAS (REMOTE I/O ASCII SCANNER)

The following is a description of the operation of the DL3000-RAS module.

Use the ASM (ASCII SCANNER MODULE) option under DL32 to configure the unit.

The DL will occupy a full rack always corresponding to the node address the unit is configured for.

The operation of holding the data received from the ASCII port in the adapters response to the scanner is controlled by BIT 0 of Group 0/ Module 0. For example if the DL is rack #2, the bit would be O:020/00

If the bit is SET "1" then the data sent to the scanner from the DL will be ZERO'ed.

If the bit is RESET "0" then the last valid ASCII string received will be held there.

NOTE: The bit must be RESET to receive DATA over the ASCII port.

The Data received over the ASCII port must be terminated with a CR (0x0D) or contain exactly 16 characters.

The operation of the DL3000-RAS is as follows:

1. SET Bit to clear the data.
2. RESET Bit to allow valid data to be sent to the RIO scanner.
3. Once a valid packet is received, either 16 characters long or terminated with a CR, the packet is moved to the INPUT image table of the RACK the DL is configured for. In the above example of RACK #2 it would be I:020.
4. PLC program notices that the DATA in the Input image table is NON-ZERO so it moves that data to a file in the PLC and then repeats step 1.

For Equus Technologies, Inc.

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