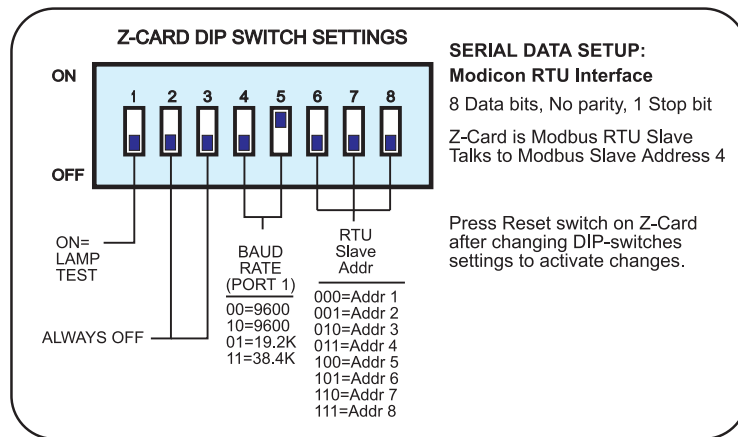




## Modbus RTU Slave application AFD-J890A



Each interface can drive up to 640 LEDs. Regardless of the RTU slave address, the LEDs are controlled by the following registers:

- LED 0 Comm Fail LED - see below.
- LED 1 controlled by register 41001
- LED 2 controlled by register 41002
- .....
- .....
- .....
- LED 398 controlled by register 41398
- LED 399 controlled by register 41399

A non-zero value in a register turns the associated LED on. A zero value in a register turns the associated LED off. The Z-Card responds to the Modbus commands 06h (preset single register) and 10H (preset multiple registers).

LED 0 is configured as a communication failure (Comm Fail) LED which will illuminate if no valid commands are received for a period of ten seconds or more. Commands from the PLC are ignored for the Comm Fail LED.

Multiple Modbus RTU slave interfaces can be daisy-chained on the same RS-485 communication line as long as they each have unique RTU slave addresses selected by the DIP switch as shown above. If multiple interfaces are daisy chained together at the same RTU slave address, then Jumper J3 should be removed from all but one of the interfaces. This will make them receive-only devices.

