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### Programming Tip

#### Manual Distributor Operation With A UIO/PLC

It is often required that a PLC will monitor the status of a distributor but leave the positioning to an employee operator. A typical situation would be if maintenance were required.

Assume the PLC has positioned the distributor to position 7 (by placing a 7 in the EDI\_REQ register). If the employee changes the position to 2 from the EDI keypad, programmed alarms may be set by the PLC and the distributor will return to position 7 immediately after reaching position 2.

The PLC may eliminate this problem by placing a 0 in the EDI\_REQ register after it successfully reached position 7. The employee can now reposition the distributor at will without the distributor repositioning itself to 7. The PLC can be programmed to check for the 0 before setting the alarm.

Placing a 0 in the EDI\_REQ register is an effective way to place a distributor in *Manual Mode* without losing its ability to monitor the distributor status.