

09/05/2011

Programming Tip

Reset A Distributor Using The UIO/PLC

After a power loss, the EDI control must issue a reset to enable distributor functions. The reset is usually performed manually at the keypad on the EDI control. This may be very inconvenient after a brief power interruption.

EDI-V5 controls with firmware version 5.008.7 or later¹ can now be reset from the PLC. There is a small amount of spout movement in the distributor during a reset, therefore caution must be used to make sure this movement is not unsafe.

Upon power-up the EDI_POS register will hold the value of 100 until it has been reset. If it is desired to reset it from the PLC, place a 99 in the EDI_REQ register. This will instruct the distributor to reset without manually doing so at the keypad. After the reset, the EDI_POS register will hold the actual distributor position.

Although the 99 can be left in the EDI_REQ register, it is good programming practice to set it to the desired position or to 0 for Manual Mode.

Note that a 99 reset will not work if there was a positioning error at the EDI control. Recovery from errors must be done at the EDI keypad.

¹ EDI-V5 control firmware can be upgraded to the current release. Please contact us for information regarding upgrades.