

# UDC 1500 TAC TIP

MODEL - DC 1503-7

## UDC 1500 AS AN AUTO/MANUAL STATION

Several customers have learned that the UDC 1500 is an excellent AUTO -MANUAL station for use as a hard manual back-up between a controller and the final control element on critical loops.

When in Automatic, the UDC 1500 passes the loop controller's output directly through to the control element.

When placed in Manual the UDC 1500 output can be adjusted to place the control element in any desired position and hold it there.

---

THE UDC 1500 SHOULD BE CONFIGURED AS FOLLOWS:

---

### HARDWARE

Set the Input 1 Jumper for 4-20 mA Input.

### CONFIGURATION CODES

<b>inPt</b>	Input Code (See page A-2)	<b>3414</b>
<b>Ctrl</b>	Output 1 Control Action	<b>dir</b>

### SET UP CODES

<b>Pb1</b>	Proportional Band	<b>100.0</b>
<b>rSEt</b>	Reset time	<b>Blank display (greater than 99.59)</b>
<b>rAtE</b>	Rate	<b>0</b>
<b>biAS</b>	Manual Reset	<b>0</b>
<b>Sphi</b>	Setpoint High Limit	<b>0</b>
<b>SPlo</b>	Setpoint Low Limit	<b>0</b>
<b>OPhi</b>	Output Hi	<b>100</b>
<b>rPnt</b>	Linear Decimal Point Location	<b>1</b>
<b>rhi</b>	Linear High Range Value	<b>100</b>
<b>rLo</b>	Linear Low Range Value	<b>0</b>
<b>PoEn</b>	Manual Control Enable	<b>1</b>

### WIRING DATA

1. The 4-20 mA output from controller is to be wired to UDC 1500 input terminals **4(+)** and **1(-)**.
2. The UDC 1500 4-20 mA control output, terminals **21 (+)** and **19 (-)** are to be wired to final control element.