

UDC 1000 TAC TIP

MODEL - DC 1003-7

UDC 1000 AS AN AUTO/MANUAL STATION

Several customers have learned that the UDC 1000 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 1000 passes the loop controller's output directly through to the control element.

When placed in Manual the UDC 1000 output can be adjusted to place the control element in any desired position and hold it there.

THE UDC 1000 SHOULD BE CONFIGURED AS FOLLOWS:

HARDWARE

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

CONFIGURATION CODES

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

SET UP CODES

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

WIRING DATA

1. The 4-20 mA output from controller is to be wired to UDC 1000 input terminals **4 (+)** and **6 (-)**.
2. The UDC 1000 4-20 mA control output, terminals **1 (+)** and **3 (-)** are to be wired to final control element.