

UDC 2000 APPLICATION NOTE

MODEL - DC200C-X-XXF-

UDC 2000 AS AN AUTO/MANUAL STATION

Several customers have learned that the UDC 2000 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 2000 passes the loop controller's output directly through to the control element.

When placed in Manual the UDC 2000 output can be adjusted to place the control element in any desired position and hold it there.

When the unit is purchased with the a "optional" alarm relay contact, this can be used to give a remote device a indication when the unit is in the "Manual" mode.

THE UDC 2000 SHOULD BE CONFIGURED AS FOLLOWS:

HARDWARE

Set the Input 1 Dip switches for 4-20 mA Input.

SET-UP CONFIGURATION

<u>CONTROL ALGORITHM</u>	PD+MR	
<u>INPUT</u>	ACTUATION	= 4-20 MA
	INPUT 1 HI	= 100.0
	INPUT 1 LO	= 0.0
<u>CONTROL:</u>	OUTPUT DIRECTION = DIRECT	
	SP HI = 0	
	SP LO = 0	
<u>TUNING</u>	GAIN	= 1.0
	RATE	= 0
	MANUAL RESET	= 0

WIRING DATA

1. The 4-20 mA output from controller is to be wired to UDC 2000 input terminals **8 (+)** and **7 (-)**.
2. The UDC 2000 4-20 mA control output, terminals **5 (+)** and **4 (-)** are to be wired to final control element.