UDC 3200 Application Note

UDC 3200 AS AN AUTO/MANUAL STATION

SEVERAL CUSTOMERS HAVE LEARNED THAT THE UDC3300 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 3200 PASSES THE LOOP CONTROLLER'S OUTPUT DIRECTLY THROUGH TO THE CONTROL ELEMEMT.

* WHEN PLACED IN **MANUAL** THE UDC 3200 OUTPUT CAN BE ADJUSTED TO PLACE THE CONTROL ELEMENT IN ANY DESIRED POSITION AND HOLD IT THERE.

* THE DIGITAL INPUT OPTION CAN BE USED TO REMOTELY PLACE THE UDC 3200 IN **MANUAL** MODE-IF DESIRED.

THE UDC 3300 SHOULD BE CONFIGURED AS FOLLOWS:

SET-UP CONFIGURATION

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

LOCAL SP IS TO BE SET TO "0"

WIRING DATA

1. 4-20 MA OUTPUT FROM CONTROLLER IS TO BE WIRED TO UDC 3200 INPUT TERMINALS 26 AND 27.

2. UDC 3200 4-20 MA CONTROL OUTPUT, THERMINALS 19 AND 21 ARE TO BE WIRED TO FINAL CONTROL ELEMENT.