

## 2.5 Wiring Diagrams, Continued

### Transmitter power for 4-20 mA 2-wire transmitter—auxiliary output

The wiring diagram example shown in Figure 2-20 (**Model DC330X-XX-2XX** or **DC330X-XX-5XX**) provides 30 Vdc at terminal 16 with the capability of driving up to 22 mA, as required by the transmitter which is wired in series.

If the transmitter terminal voltage must be limited to less than 30 volts, you can insert a zener diode between the positive transmitter terminal and terminal 16. For example, an IN4739A zener diode will limit the voltage at the transmitter to 25 Vdc.

*Configure:*

AUX OUT = OUTPUT

*Calibrate the Auxiliary Output using the procedure given in Section 8.4 – Auxiliary Output Calibration.*

ZERO VAL = 4095

SPAN VAL = 4095

Figure 2-20 Transmitter Power for 4-20 mA 2-wire Transmitter Using Auxiliary Output—Model DC330X-XX-2XX or DC330X-XX-5XX

