



**NOTES:**

Set  $R_P=20.4\text{ k}\Omega$  FOR A PROGRAMMABLE-GAIN RANGE OF  $-5 \leq \text{GAIN} \leq +5$ .

$V_{OUT}/V_{IN}=50(R_2/R_1 - 0.9)=0$  IF  $R_2/R_1=0.9$  AND  $=10$  IF  $R_2/R_1=1.1$ .

**Figure 1** Adding an op amp and associated components to a Rejistor solid-state resistor allows you to trim the output over the full input-voltage range.