



**TECHNICAL BULLETIN
DECEMBER 7, 2000**

**IDEC DC POWER SUPPLY TO PROTECT SCHMERSAL
SAFETY RELAY**

PROBLEM

We have had an unusually high failure rate operating on 24 VAC. The tolerance of the unit is +6%, -10% on the original. Two new versions have been supplied, one at +10%, one at +15%; however, we cannot identify which version we received since the parts are not marked.

Schmersal now states that the Buck Transformer we formerly supplied may put transients in the AC line, failing the Safety Relay.

SOLUTION

Use IDEC PS5R-A24 regulated DC Power Supply to power up Schmersal Safety Relay per the following sketch. If the Buck Transformer is installed, leave it in place, but it is no longer necessary.