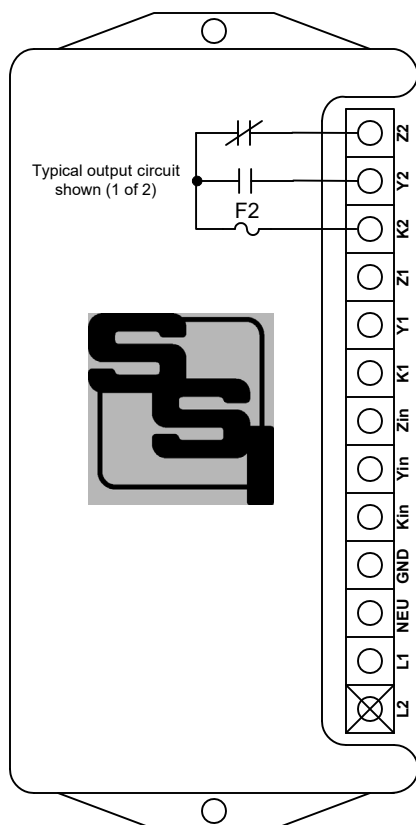


RPR-2PS-SP2

B Series

Elite Solid State

PULSE ISOLATION RELAY INSTRUCTION SHEET +125VDC INPUT



Z2 →

Y2 → **OUTPUT #2**

K2 ←

Z1 →

Y1 → **OUTPUT #1**

K1 ←

Zin →

Yin → **INPUT FROM METER**
+12VDC sourced to meter

Kin ←

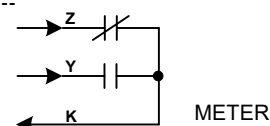
GND ←

D ← **EARTH**

NEU ← **(-)**

L1 ← **(+)**

**POWER SUPPLY
INPUT -
125VDC**



APPLICATION - The RPR-2PS-SP2 is designed to operate from a +125VDC power supply only.

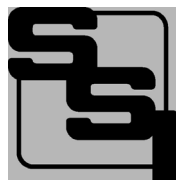
MOUNTING POSITION - The RPR-2PS-SP2 contains solid state relays and can be mounted in any position.

POWER INPUT - The RPR-2PS-SP2 must be powered by a 125VDC power supply voltage. Connect the 125VDC power supply's "hot" (+) lead to the L1 terminal. Connect the DC supply's negative (-) lead to the NEU terminal. Connect the GND terminal to electrical system ground. **DO NOT** power this relay from an AC line voltage.

METER CONNECTIONS - The RPR-2PS-SP2' "Kin", "Yin" and "Zin" input terminals should be connected to the meter's "K", "Y" and "Z" terminals: "Kin" to "K", "Yin" to "Y", and "Zin" to "Z". The RPR-2PS-SP2' "Kin" terminal is the common return and system ground. The "Yin" and "Zin" terminals are pulled-up to +12VDC, which provides the wetting voltage to the pulse initiator.

FUSES - The fuses are type 3AG and may be up to 1/2 Amp in size. 1/2 Amp fuses are supplied standard with the unit unless otherwise specified.

OUTPUTS - Two solid state three-wire isolated outputs are provided on the RPR-2PS-SP2. Transient voltage suppression for the solid state switching devices is provided internally.



SOLID STATE INSTRUMENTS

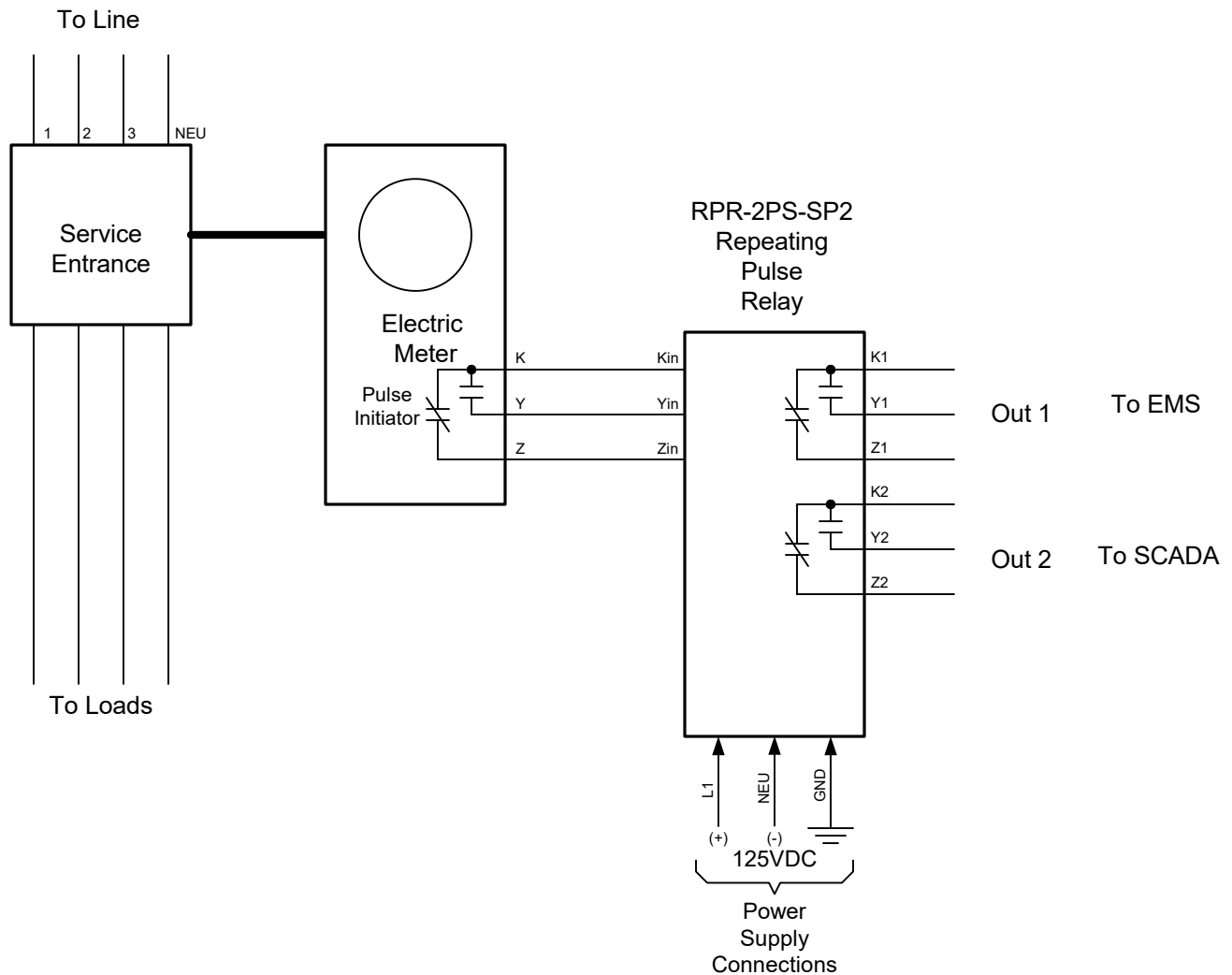
by Radian Research, Inc

3852 Fortune Dr, Lafayette, IN 47905

Phone: (765) 449-5576

Mail: technicalsupport@radianresearch.com

RPR-2PS-SP2 B-Series Wiring Diagram



RPR-2PS-SP2 B-Series Repeating Pulse Relay Wiring Diagram		REVISIONS		Solid State Instruments by Radian Research Inc 3852 Fortune Dr Lafayette, IN 47905 (765) 449-5576 technicalsupport@radianresearch.com www.solidstateinstruments.com	
		NO.	DATE		DESCRIPTION
DATE ORIGINAL 1/1/2025	SCALE N/A				
LATEST REVISION	JOB NO.	CHECKED	DRAWN WHB		