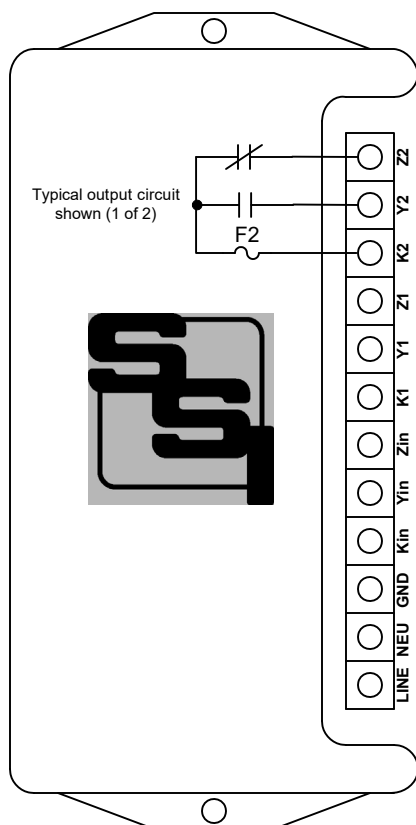


RPR-2PS

C Series

Elite Solid State

PULSE ISOLATION RELAY INSTRUCTION SHEET 120-277VAC INPUT



Z2 →

Y2 → **OUTPUT #2**

K2 ←

Z1 →

Y1 → **OUTPUT #1**

K1 ←

Zin →

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

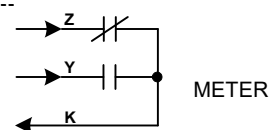
Kin ←

GND ← **EARTH GND**

NEU ← **NEUTRAL**

LINE ← **"HOT"**

**POWER SUPPLY INPUT-
120-277VAC**



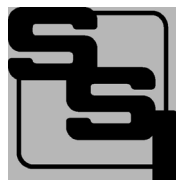
MOUNTING POSITION - The RPR-2PS contains solid state relays and can be mounted in any position.

POWER INPUT - The RPR-2PS is powered from an AC voltage source of between 90 and 300VAC. Connect the power supply's "hot" lead to the **LINE** terminal. Connect the power supply's neutral lead to the **NEU** terminal. Connect the **GND** terminal to electrical system ground. If Neutral does not exist at the meter connect both NEU and GND to the electrical system ground. NOTE: Connect Phase to Neutral only. DO NOT CONNECT Phase-to-phase.

METER CONNECTIONS - Connect the RPR-2PS' "Kin", "Yin" and "Zin" input terminals to the meter's "K", "Y" and "Z" terminals: "Kin" to "K", "Yin" to "Y", and "Zin" to "Z". The RPR-2PS' "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 dry-contact outputs are provided on the RPR-2PS. Transient voltage suppression for the solid state switching devices is provided internally.



SOLID STATE INSTRUMENTS

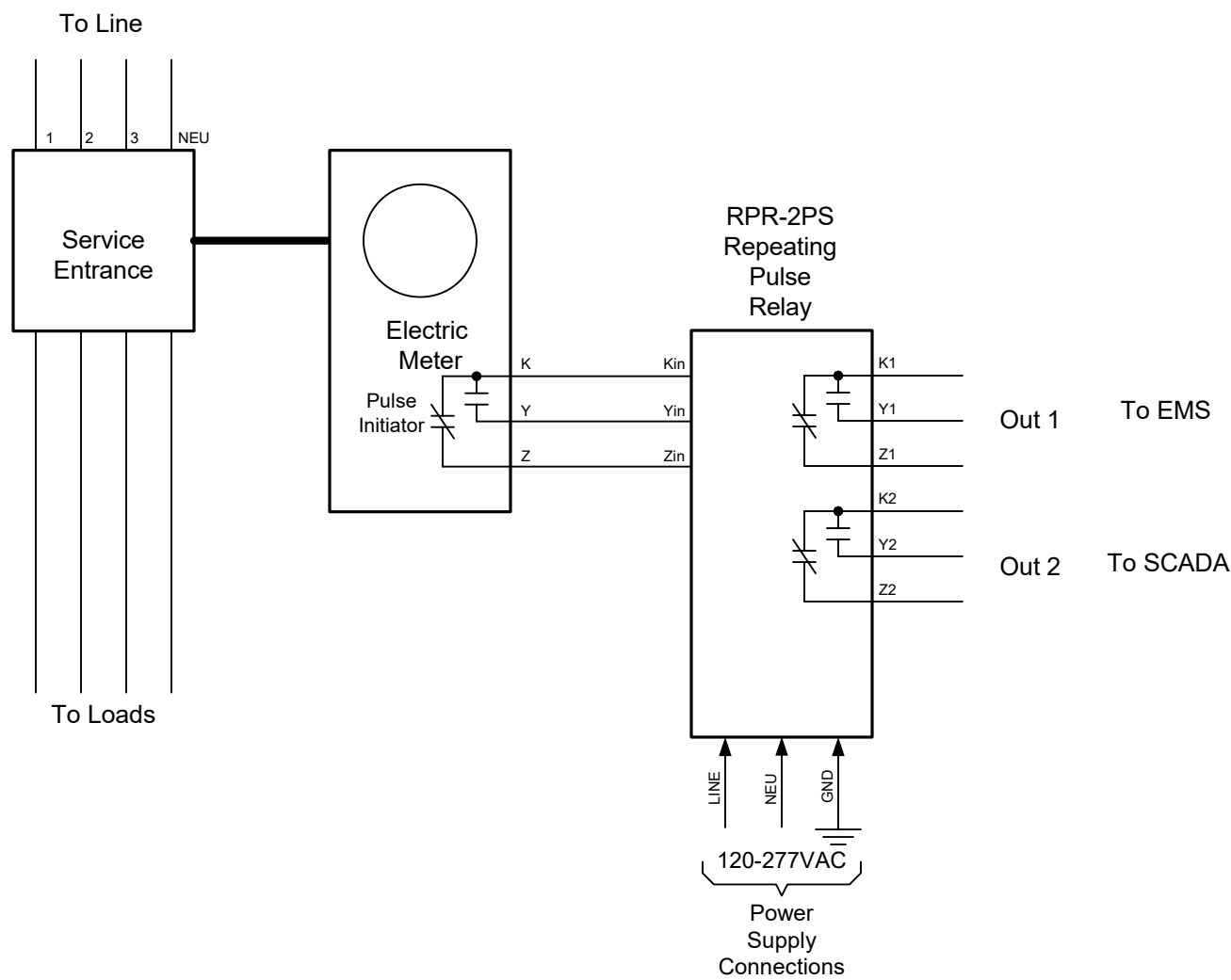
by Radian Research, Inc

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RPR-2PS C-Series Wiring Diagram



RPR-2PS C-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	
DATE ORIGINAL	SCALE			
01/01/25	N/A			
LATEST REVISION	JOB NO.	CHECKED	DRAWN	
			WHB	