



# NK Technologies



MADE IN USA

## APMR SERIES Power Transducers

### Specifications

<b>Power Supply</b>	24VAC/VDC, 120VAC, 208VAC or 240VAC
<b>Output</b>	<ul style="list-style-type: none"> <li>Relays (2): 5A @ 240VAC; 5A @ 24VDC</li> <li>Analog: 4–20mA Proportional to max. kW; 25mA Max</li> </ul>
<b>Input CTs</b>	Standard 0–5A or 0–333mV CTs
<b>Sensed Voltages</b>	120, 208, 230, 480, or 600VAC
<b>Response Time</b>	<200 ms (to 90% value)
<b>Delay Timers</b>	<ul style="list-style-type: none"> <li>Inrush: 2 sec. (factory set)</li> <li>Individual: 0–25 sec. adjustable</li> </ul>
<b>Setpoint Adjust</b>	0–100% of Full Load kW
<b>Setpoint Accuracy</b>	+/- 2%
<b>Power Consumption</b>	<5VA
<b>Frequency Range</b>	30Hz–400Hz
<b>EMC</b>	EN50081-1, EN61000-6-2
<b>Case</b>	UL94 V0 Flammability Rated
<b>Environmental</b>	-4 to 122°F (-20 to 50°C), 0–95% RH non-condensing

**APMR Series** power monitoring relays are intended for sensing true, active power and measuring kW on 1Φ or 3Φ applications. Applicable on nominal circuits of 120, 240, 480, and 600VAC, the APMR offers multiple relay outputs adjustable to trip when desired power thresholds are reached. As an added benefit, a fully isolated 4–20mA output proportional to sensed kW is standard. All trip points and associated time delays are individually adjustable and each has its own status LED. Applicable on variable frequency systems, the APMR comes in a compact, DIN-compatible enclosure and is an ideal choice for applications requiring power sensing and reporting.

### Features

- **Dual Output Relays for Switching Loads Once Power Trip Points Are Reached**
- **Accepts 5A Secondary CTs or 0–333mV ProteCT™ CTs**
- **4–20mA Proportional Output to kW for Compatibility with PLC and Datalogging Equipment**
- **DIN-rail Compatible Package; Finger-safe Terminals\***
- **Built-in Adjustable Time Delays**

\*See DIN Rail accessories datasheet for information on the kit.

### Ordering Information

Sample Model Number: APMR-1 2T-5A-1 20-FL

APMR - (1) - (2) - (3) - (4)

(1) Monitoring Voltage

12T	120V Three-phase
24T	240V Three-phase
48T	480V Three-phase

(3) Supply Voltage

24U	24VAC
120	120VAC

(2) CT Input

5A	XXX:5A Secondary
MV	XXX:333 mV Secondary

(4) Case

FL	DIN-rail Mount Enclosure
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