

# APMR SERIES

## Power Transducers

APMR Series power monitoring relays are intended for sensing true, active power and measuring KVV on 1Ø or 3Ø 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 KVV 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

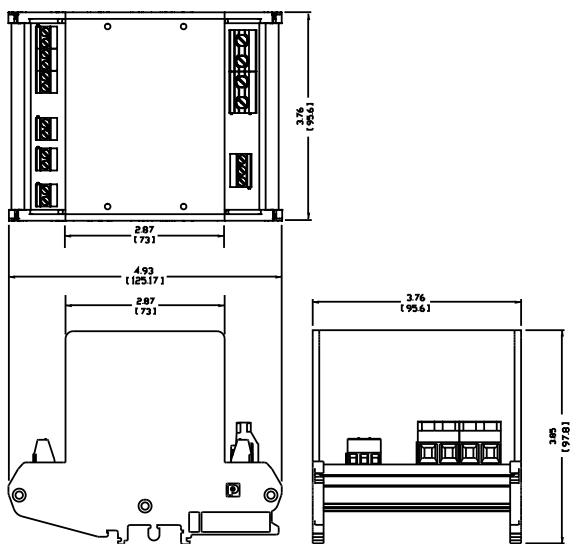
- Dual output relays for switching loads once power trip points are reached.
- Accepts 5A secondary CTs or 0–333mV ProteCT™ CTs
- 4–20mA proportional output to KVV for compatibility with PLC and datalogging equipment.
- DIN-rail compatible package; finger-safe terminals\*.
- Built-in adjustable time delays.

\*For panel mounting see DIN Rail mounting kit accessory page.



Free program expedites evaluation process. See page 1 for details.

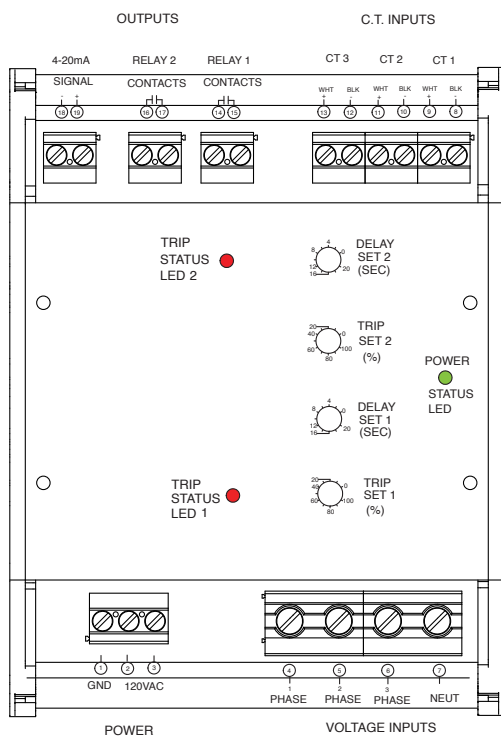
Dimensions



Specifications

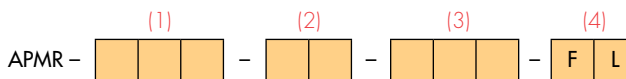
Power Supply	24VAC/VDC, 120VAC, 208VAC or 240VAC
Output	<ul style="list-style-type: none"> <li>Relays (2): 5A @ 240VAC; 5A @ 24VDC</li> <li>Analog: 4-20mA Proportional to max. kW; 25mA Max</li> </ul>
Input CTs	Standard 0-5A or 0-333mV CTs
Sensed Voltages	120, 208, 230, 480, or 600VAC
Response Time	<200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

Connections



Ordering Information

Sample Model Number: APMR-12T-5A-120-FL



(1) Monitoring Voltage

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

(2) CT Inputs

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

(3) Supply Voltage

24U	24VAC
120	120VAC

(4) Case

FL	DIN-rail Mount Enclosure
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Power Monitoring Sensors

