

The APM family



Overview

APM100B (APM300B) and **APM110** are kW-monitors with embedded functions for the control and supervision of AC-motor driven equipment. Units are suitable for mains supply up to 3x500V and include an integral current sensor for up to 80A ac.

APM100B is a measurement transducer with analog outputs 0(4)-20 mA and 0(2)-10V. The kW range is programmed in steps of 0.1 kW up to a maximum of 70 kW. A kWh function is also available with isolated SO1 output.

APM300B is a 3 Phase version of APM100B which uses external current transformers.

APM110 is a Load Monitor with 2 limits and 1 output relay. Limit 1 is a Max limit and Limit 2 is a Min limit. Measurement range/Limit 1 is digitally programmable in kW in steps of 0.01/0.1 kW up to a maximum of 70 kW. Limit 2 is programmable from 20 to 80% of the measurement range in steps of 4%. The unit is equipped with Start timer and Response timers.

APM110 has 3 digital inputs for Ext./Aut. Reset and for Limits Blocking.

Technical data

Mechanical

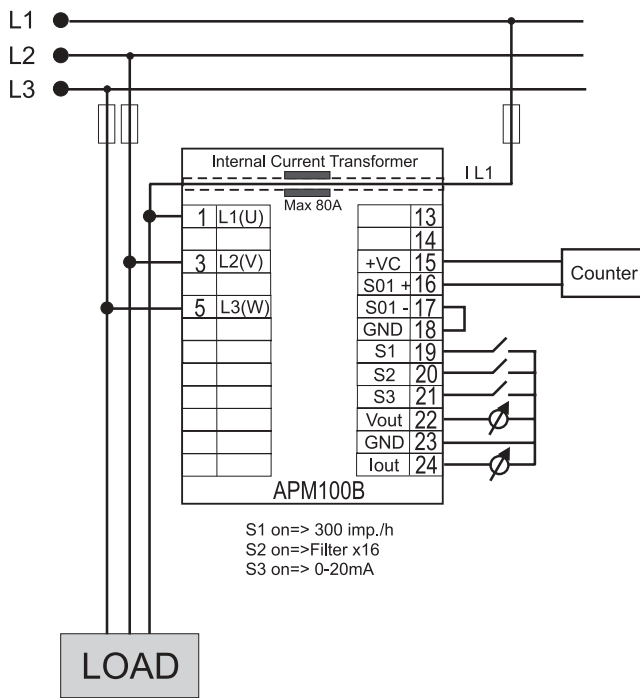
Housing: Lexan UL94V-0 (Top Part)
Noryl UL94V-0 (Base Part)
Mounting: M36 for 35 mm DIN Rail
IP class: Housing IP40. Terminals IP20
CT dim.: Max 10 mm feed through
Terminals: Max 16A. Max 2,5 mm² wire
Max Torque 4lb/in, 0,6 Nm
Temp.: -15 to +50 grad C
Weight: 300 g
Dimensions: D 58 x W 70 x H 86 mm

Electrical

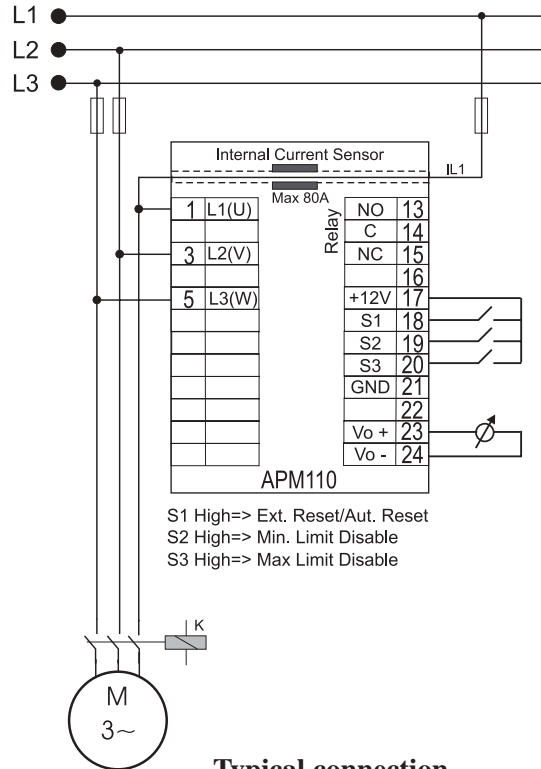
Voltage range.: 3x380-3x500Vac
Current range: Internal CT: Max 80Aac
External CT: N/1A, N/5A
Max 70 kW with int. CT
Frequency: 45-65 Hz
Relay ratings: 250V/5Aac. SPDT
Analog output 1: 0(4)-20 mA max 300Ω
Analog output 2: 0(2)-10V min load 1kΩ
kWh output: SO1, 300 (1000) imp/hour/fs
CE mark to: EN50081-1, EN50082-2, EN61010-1

Unipower®

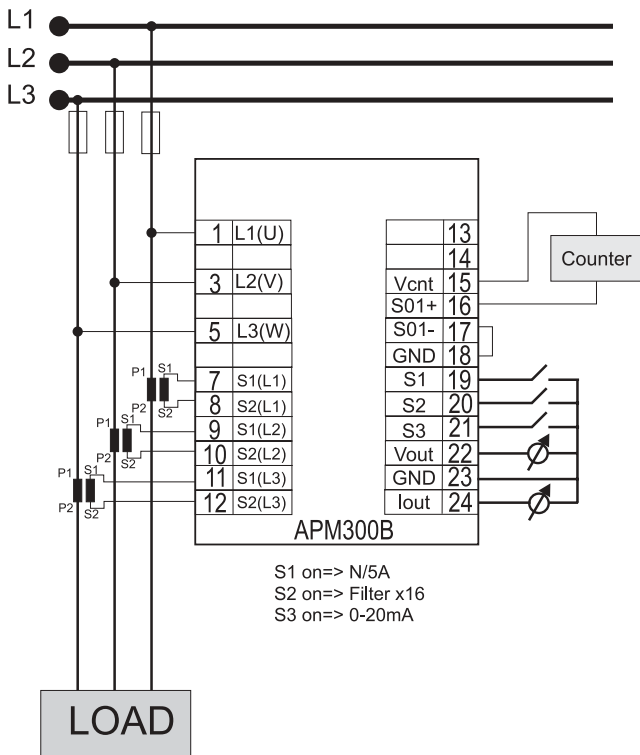
Leadership in Load Monitoring and Measurement



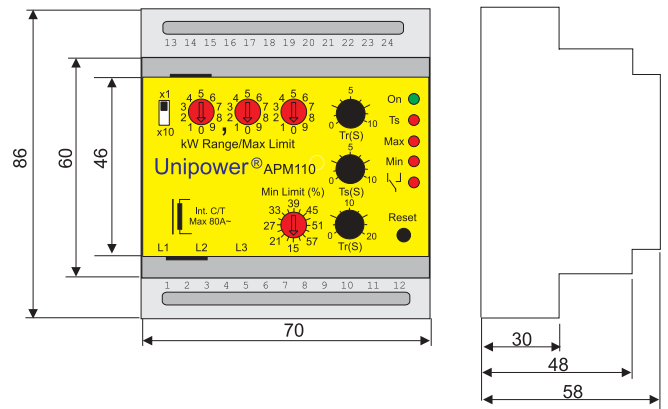
Typical connection
for APM100B



Typical connection
for APM110



Typical connection
for APM300B



Dimensions in mm