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## Netter Timer Type AP 117 and Series PAP



- Adjustment exact to the second
- Dust and water-splash protected
- For the control of electric and pneumatic vibrators



AP 117



PAP 115



PAP 116



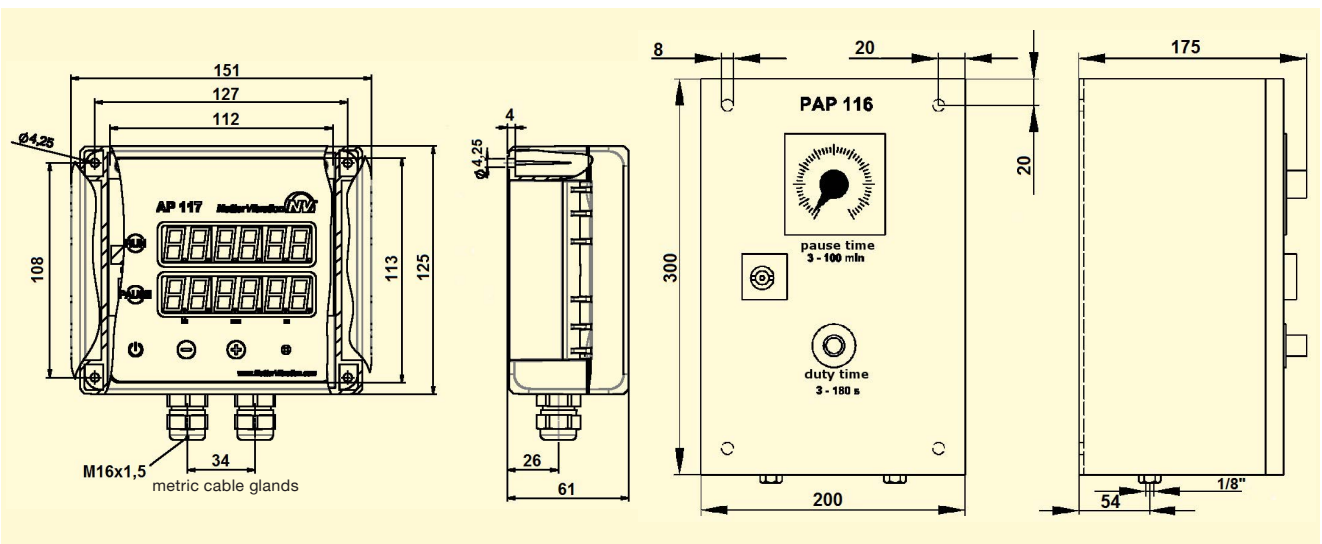
# NetterVibration



## Netter Timer Type AP 117 and Series PAP

Type	AP 117	PAP 115	PAP 116
Operation mode	electric, non-contact	pneumatic	pneumatic
Adjustment	digital	analogue	analogue
Duty time	hh : mm : ss, 1 s to 99 h	3 s to 180 s (down)	3 s to 180 s (down)
Pause time	hh : mm : ss, 1 s to 99 h	3 s to 180 s (up)	3 min to 100 min (up)
Switching current	AC / DC: 1,25 A	-	-
Own consumption	2 VA (in operation), 0,25 VA (standby)	-	-
Input/output*	AC 90 V – 240 V (50/60 Hz) DC 24 V – 48 V ± 5 %	1/8"	1/8"
Operation pressure	-	minimum 3 bar	minimum 3 bar
Ambient temperature	-20°C to 60°C	-10°C to 60°C	-10°C to 60°C
Protection	IP 65, radio interference suppression	IP 66	IP 66
Housing	polycarbonate	Al	Al

\*Input voltage = output voltage



### AP 117

#### Applications

The electronic timer AP 117 is used to control pneumatic and electric vibrators. The advantages of temporary vibrator application are noise level reduction energy saving.

#### Construction and Working Principle

The electronic timer is used to operate solenoid valves or motor overheating protection at freely selectable intervals. The sequence begins with the duty time, which can be adjusted from 1 s to 99 h. During this time the supply voltage is applied to the consuming device being controlled. When the duty time ends, the pause time of 1 s to 99 h runs, then the duty time, etc.

Moreover, the electronic timer AP 117 provides an interval mode in which the duty time is divided into clock duty times (pulses) and clock pause times with an adjustable length of 1 to 59 s each.

The elapsed time is visible on the display. The AP 117 can be used separately or integrated in a switching cabinet.

### PAP 115 and PAP 116

#### Applications

Series PAP pneumatic time controls are suitable for interval control of vibrators, as well as the control of impactors (PKL). The times can be continuously adjusted.

#### Construction and Working Principle

Activation (on/off) with a directional control valve. The PAP can actuate all directional valves, but is not sufficient for the direct activation of consuming devices. It must be ensured that enough adequately sized actuation valves are provided for vibrators, etc. The pause time of the PAP 115 can be adjusted exact to the second, that of the PAP 116 exact to the minute. Use filtered (filter  $\leq 5 \mu\text{m}$ ) compressed air. Constant pressure guarantees reproducible times.

NetterVibration offers the accessories required for the mounting, installation, control and monitoring of vibrators and impactors.

**Netter provides solutions.**  
**Consult our experienced application technicians.**

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