

Type 486/487



TECHNICAL DATA

Adding Preset Counter, Plug-in System

- Preset value continuously visible
- Manual, electric or automatic reset
- 3 or 5-digit indication
- Plugs into modular system 400

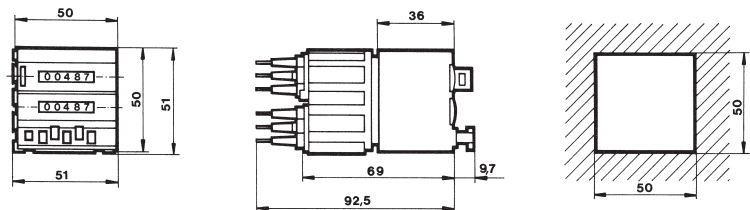
Display	3 or 5-digit indication of count and preset value, depending on version
Digit height	4 mm
Supply voltage V_{op}	see ordering code table, tolerance $\pm 10\%$ 230 VAC $\pm 6-10\%$
Power consumption	counter: DC version 2.5 W, AC version 2.75 VA reset solenoid: DC version 12 W, AC version 16 VA
Residual ripple	48 %
Operating temperature	$-10 \dots +50\text{ }^{\circ}\text{C}$
Storage temperature	$-40 \dots +85\text{ }^{\circ}\text{C}$
Electrical connection	AMP connector, 0.8 x 2.8 mm (with connection box)
Mounting	modular system 400
Mounting position	roller axis horizontal
Protection class (EN 60529)	front IP 30; connections IP 00; for higher degree of protection we recommend a protective case with clear cover (see "Accessories")
General design	EN 61010-1, EN 50178 Protection according to class II Contamination level 2 Over voltage category II
Duty cycle at 25 °C	Counter 100 %; reset solenoid: DC version 20 %, max. 2 minutes, AC versions 10 %, max. 1 minute
at 50 °C	Counter 50 %, max. 10 minutes
Maintenance-free operation	Counter 2×10^8 , reset solenoid 1.5×10^6 pulses
Approvals	UL: E 41 784-11
Count input	adding
Min. pulse length	DC version 20 ms, AC version 50 ms
Max. counting frequency	DC version 25 Hz, AC version 10 Hz
Pulse duty factor	1:1
Reset	- manual with button - external by electrical signal (versions with reset solenoid only), Min. pulse length 200 ms (max. see duty cycle); for longer reset pulses a continuous duty module must be used (see "order information" and "accessory modules") - automatic reset after preset has been reached (versions with reset solenoid only), using the automatic reset (see "order information" and "accessory modules")
Reset frequency	DC version max. 1 per s, AC version max. 1 per 2 s
Pulse duty factor	DC version 1:5, AC version 1:10
Signal output	
Signal duration	from when preset has been reached until reset
Contact type	Changeover contact, floating
Switching voltage	max. 220 VAC
Switching current	max. 20 VA/1 A, non-inductive

Technical data

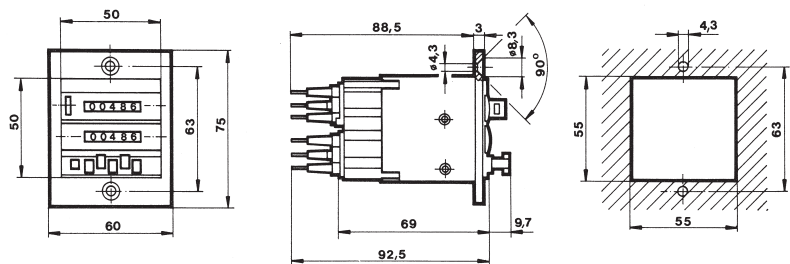
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DIMENSIONS

With connection box

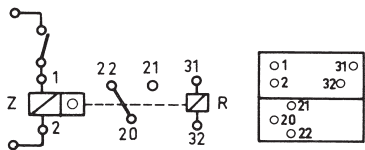


With connection box and panel frame



All dimensions in mm

CONNECTION DIAGRAM



ORDER INFORMATION

Counter

Voltage	3 digits		5 digits		** automatic reset
	button reset	el. reset	button reset	el. reset	
12 V DC			0 486 160	0 486 760	
24 V DC	0 487 164	0 487 764	0 486 164	0 486 764	1 486 402
48 V DC	0 487 168		0 486 168	0 486 786	
60 V DC		0 487 771			
110 V DC	0 487 174		0 486 174		
220 V DC		0 487 780	0 486 180	0 486 780	
24 V AC	0 487 186	0 487 786	0 486 186	0 486 786	1 486 409
42 V AC		0 487 788	0 486 188	0 486 788	
48 V AC					
100 V AC	0 487 198	0 487 798	0 486 198	0 486 798	
115 V AC	0 487 189	0 487 789	0 486 189	0 486 789	1 486 412
200 V AC		0 487 799			
230 V AC	0 487 190	0 487 790	0 486 190	0 486 790	1 486 413

Standard accessories

Connection box	Ordering Code 1 405 537
Key-reset system	Ordering Code + SR e.g. 0 487 164 SR
Panel frame, black	Ordering Code 1 405 492

For further accessories see "Accessories"

* on request

** For technical data and dimensioned drawings see accessory modules on page 209
Use only counters with electrical reset.
The connection box is integrated in the module.