

## T108 low cost programmeable LED display

T108 is a low cost, programmable process indicator designed for wide range of display applications with/without relay alarm. T108 can be mounted in a panel cutout and it is equipped with a bright 4-digit LED display. This model is especially suitable for measuring and controlling various technological values from -1999 to 9999 with resolution of up to 6,000 points. The device can have up to two programmable relays providing on/off control/alarm, with or without pulse mode.



T108 accepts various linear input voltage or current signals. The display limits, decimal point position, measuring offset value as well as many other parameters are fully programmable. Thanks to its excellent price-to-performance ratio, the T108 is a widely applicable device.

- Low cost
- 3 front sizes – up to 1/32 DIN
- 4-digit 14mm bright LED indication
- Universal linear input
- Up to 2 alarm relays available with pulsed output
- Fully programmable parameters

### Technical Information

Input	
Voltage linear	0 to 10 V or 0 to 5 V (1)
Current linear	0 to 20 mA or 4 to 20 mA
Other linear (on request)	max. 40 V, max. 100 mA
Display limits	-1999 to 9999, programmable
Decimal point position	programmable
Power supply	
Mains supply voltage	230 VAC ('H' and 'L')
SMPS supply voltage	90...250 VAC/DC ('H')
Low-voltage power supply	12...24 VAC/DC, 12DC, 9AC
Consumption	max. 1.5 VA
Accuracy	
Measurement error	0.3 % from span
Temperature drift	0.02 % from span for 1 °C
Indication and keyboard	
Digital display	4 LED indicators, red
LED	for relay status
Keyboard	2 membrane keys
Keyboard locking	programmable

Output	(up to 2 relay outputs)		
Relay electromechanical	5A/250V, N.O./N.C or N.O contacts(2)		
MOS gate	0.1A/60V, optically isolated		
Solid state relay	1A/250VAC(1)		
Output for external SSR	12(24)V/50mA		
Control algorithm	ON/OFF, pulse mode		
Alarm parameters	programmable		
Design and materials	'H'	'L'	'M'
Dimensions (mm)	96x48	76x34	48x24
Mounting depth	100	55	43
Panel cutout [mm]	90x42	70x28	46x22
Maximum weight [g]	250	150	30
Protection, front/terminals	IP65/20	IP65/20	IP54/20
Case material	plastic		
Wiring	screw terminals		
Operating conditions			
Operating temperature	-10 to 65 °C		
Operating humidity	0 to 85 %RH		

### Options & Ordering Information

Feature or option	Order Code T108-X.X.X.X
Case (front size)	H - 96x48 mm, L - 72x36 mm, M - 48x24 mm
Power supply	A - 230 VAC(3), C - 90...250 V(4), D- 12 VDC, P - 12...24 VAC/DC
Relay output	X - none, C - relay N.O./N.C(5), D - SSR, J - for external SSR, M - isolated MOS gate
Increased front protection	X - none, P - IP65 front protection (6)

### Ordering Example T108-H.C.C.X

(1) 0.2A/250VAC for cases 'L' and 'M' (2) Only one relay 3A/250VAC w/ N.O contact for case 'M' (3) Not available for case 'M'  
(4) Not available for cases 'L' and 'M' (5) N.O for case 'M' (6) Not available for case 'M' (7) Available separately - consult Flowtechnik