

Meter Relays

244 Series Analogue Meter Relays



244 series meter relays combine a highly accurate indicator with high and low set-points which can operate alarm and control circuits when the monitored signal value moves outside the set-point limits indicated by the adjustable red index pointers.

These relays monitor and control any parameter which can be converted into an A.C. or D.C. signal.

The indicator, relays and power unit are in one housing and the control function continues should the indicator become damaged. A time delay is available as an optional extra.

Applications

- Voltage monitoring/control current monitoring
- Overload alarm
- Battery monitoring/charging
- Temperature indication
- Temperature control
- Load shedding
- Power factor correction
- Frequency monitoring
- Level control

Approvals



Meter Relays

- 1 relay, 2 set-points**
Upscale de-energised, downscale energised
- 1 relay, 1 set-point**
Upscale de-energised, downscale energised
- 2 relays, 2 set-points**
Mid-band de-energised, outside band energised
- 2 relays, 2 set-points**
Both upscale energised, downscale de-energised
- 2 relays, 2 set-points**
High & low mid-band energised, outside band de-energised
- 2 relays, 2 set-points**
Both upscale de-energised, downscale energised
- 1 relay, 1 set-point**
Upscale de-energised, downscale energised
- 2 relays, 2 set-points**
High and high upscale de-energised
- 1 relay, 2 set-points**
Low de-energised, high energised
- RDT operated 2 relays, 2 set-points**
Mid-band de-energised, outside band energised
- Thermo couple 2 relays, 2 set-points**
Mid-band de-energised, outside band energised

Product Code

- 244-300
- 244-301
- 244-302
- 244-303
- 244-304
- 244-305
- 244-307
- 244-308
- 244-309
- 244-30R
- 244-30T

Options

- | | |
|--|---------------------------------------|
| BP Polycarbonate window | SM Customer logo on dial |
| CT Calibrated at customer specified temperature | SN No logo on dial |
| DS Dual scale | SR Red index line on dial |
| FK Finger knob adjustment | SZ Coloured band on dial |
| LB Both relays latch, remove auxiliary supply to reset | TB Time delay 0.3 - 10 sec |
| LH High relays latch, remove auxiliary supply to reset | TC Time delay 0.3 - 30 sec |
| LL Low relays latch, remove auxiliary supply to reset | TD Time delay 0.3 - 20 sec |
| PD Heavily damped movement | TH Time delay 0.3 - 10 sec high relay |
| PG Panel gasket | TI Time delay 0.3 - 30 sec high relay |
| SL Red line on dial | TL Time delay 0.3 - 10 sec low relay |
| | TM Time delay 0.3 - 30 sec low relay |
| | TP Time proportional control |

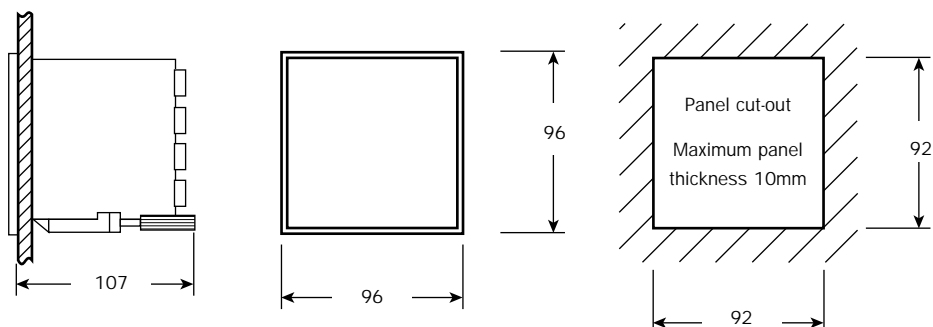
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Specification

Accuracy Indicator:	Class 1.5	Optional Ratings:	D.C. Volts: 20mV to 500V (10K Ω /V)
Set-point:	Class 1.5	D.C. Current:	10 μ A to 15A (20mV drop)
Repeatability:	0.5%	Thermocouple:	Types J, K, R, S, T minimum 10mV span
Differential:	1% of span	RTD:	2 wire 10 Ω copper 100 Ω platinum, 120 Ω nickel
Set-point adjustment:	98% of scale	Auxiliary Supply:	A.C.: Dual rating 100/125V or 200/250V 50/60Hz.
Minimum span:	2% between set points	D.C.:	12V or 24V. +/-14% Maximum 15% ripple on unregulated supplies
Ratings:		Burden:	3VA maximum
A.C. Volts:	6V to 500V (1K Ω /V) 50/60Hz	Fixing:	Screw clamps
Single Frequencies:	25Hz to 3kHz on request	Enclosure:	IP52
A.C. Current:	100 μ A to 1A (1V drop) 1A & 5A C.T. operation (0.5VA) 50/60Hz.		
Frequencies:	25Hz to 3kHz on request		
Time delay:	0.3 to 10 or 0.3 to 30 seconds		

Dimensions



Connections

