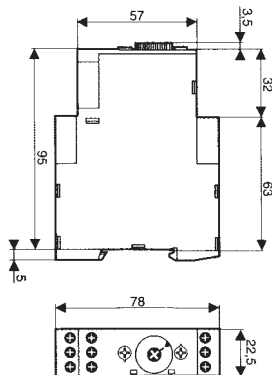


'Chronos' Timers, 22.5mm DPCO Relay



DIN rail mounted 22.5mm mono & multi-function electronic timers with DPCO relay output. Multi-range timing from 0.1 sec - 100 hours. Timer controlled by volt-free contact or output from a 3-wire PNP transistor. The TU2R1 has 2 timing relays which time simultaneously, with the option, selectable by dip switch for one of the relays to switch instantaneously upon power up. The TK2R1 offers 2 timers with true off delay of up to 160 secs, please consult sales for times greater than this.

Supply voltage See price box for options
 Operating range 85 to 110% of nominal voltage
 Contact rating 8A at 250V AC/DC
 Relay output Double pole changeover
 Timing ranges 0.1-1s, 1-10s, 6-60s, 1-10min, 6-60min
 1-10h, 10-100h
Timing ranges TK2R1 0.6s, 2.5s, 20s, 160s (selectable)
 Repetition accuracy ± 0.5% of set time
 Electrical life 10⁵
 Dielectric strength 2.5kVAC
 Display LED Flashing green/on, yellow/timing green/operated
 Temperature -20°C to + 60°C
 Approvals UL, CSA

Note: The control line voltage must be the same as the supply voltage via a volt-free relay or switch contact. For operation on DC supplies, the control input can accept an output from a PNP transistor, providing that the residual voltage is below 0.4 volts.

5 >

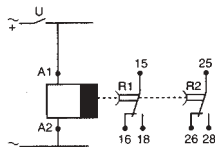
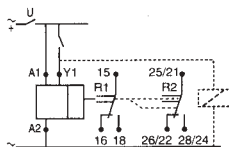
Connections

Functions: A, At, B, C, H, HtDi, D, Ac, Bw

Functions: K

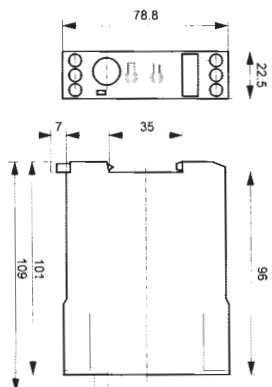
Function K (TK2R1)

Delay on de-energisation



Stock No.	Manf Ref'	Type	Voltage	Functions	Unit Price		
					1-4	5-9	10-24
3262130	88 865 305	TU2R1	24VDC, 24-240VAC	A - At - B - C - H - Ht - Di - D - Ac - Bw	37.49	35.24	33.37
3262124	88 865 265	TK2R1	24VDC, 24-240VAC	K (TRUE OFF DELAY WITHOUT CONTROL CONTACT)	37.99	35.71	33.81

Multi-Function, Multi-Range SPCO Timer, 22.5mm



DIN rail mounted 22.5mm multi-function, multi-range electronic timer with SPCO relay output, Watchdog timer in 22.5mm case and a star delta timer in a 17.5mm case. 10 timing ranges from 1 sec - 60 hours and 8 functions + on/off, all selectable from front with screwdriver. LED indication of output status with four different modes of flashing.

Supply voltage 24 to 48VDC, 24 to 240VAC, 50/60Hz
 Operating range 80 to 120% (DC), 85 to 110% (AC)
 Contact rating 8A at 440VAC
 Relay output Single pole changeover
 10 Timing ranges 0.05-1s, 0.15-3s, 0.5-10s, 0.05-1min
 0.15-3min, 0.5-10min, 0.05-1h
 0.15-3h, 0.5-10h, 3-60h
 Repetition accuracy ± 0.2% of set time
 Reset time 50ms
 Power consumption 1.5W (DC), 1.5VA (AC)
 Dielectric strength 2kVAC
 Temperature -20°C to + 60°C
 Approvals UL, C-UL, GL

Display LED
 Off Output in rest position, no timing
 Rapid flashing Output in rest position, time running
 Continuous Output in operating position, no timing
 Slow flashing Output in operating position, time running.

Functions

- A Delay on energisation
- Ac Timing after closing and opening of control contact
- B Timing on impulse, one shot
- C Timing after impulse
- H Timing on energisation
- Di Flip-flop, flasher relay starting with pulse
- W Timing after pulse of control contact
- P Timing on energisation, at end of timing period relay changes state for 500ms
- N Watchdog, fleeting on delay timer with pulse control
- Q Star delta

Stock No.	Manf Ref'	Type	Voltage	Functions	Unit Price		
					1-4	5-9	10-24
2193418	KOP160J7MWVFN00	MULTI-FUNCTION	24-48VDC, 24-240VAC	A - Ac - B - C - H - Di - W - P - ON/OFF	32.11	30.83	29.54
2193421	KOP128J7CAVFN00	WATCHDOG	24-48VDC, 24-240VAC	N	27.24	26.15	25.06
2193424	KOL251H7MKVFN00	STAR-DELTA	24-48VDC, 24-240VAC	Q	32.21	30.92	29.63