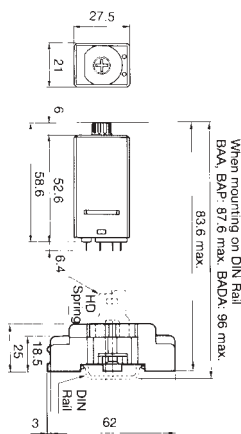


**Miniature Plug-in Timer  
4 Pole Changeover**



Time delay relay with 3A, 4PCO contacts with 2.6mm blade terminals suitable for use with DIN rail or panel mounted sockets. Delay on energisation with analogue setting and LED indication of power on and relay status.

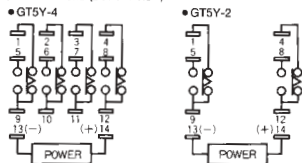
- Supply voltage: See price box for options
- Contact rating: 3A at 220VAC, 30VDC
- Minimum load: 10mA at 5VDC
- Relay output: 4 pole changeover
- Timing ranges: 0.1-1s, 0.2-10s, 1.2sec-1min, 12sec-10min
- Repetition accuracy: ± 0.2% ±20ms
- Reset time: 100ms max.
- Electrical life: 2 x 10<sup>5</sup> at 3A/110v resistive
- Display LED: Power on, output operated
- Temperature: -10°C to + 50°C

Timer is suitable for 14 pin relay sockets.

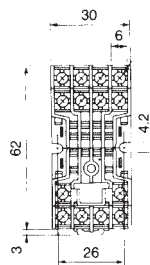
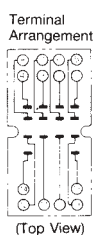
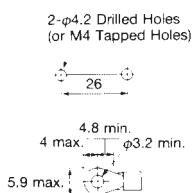
**Internal Connections (bottom view)**

4 Pole Changeover

Internal Connections (Bottom View)

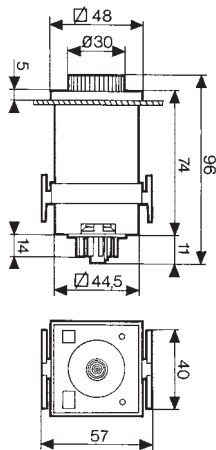


**Mounting Hole Layout**



Stock No.	Manf Ref <sup>1</sup>	Type	Voltage	Functions	Unit Price		
					1-4	5-9	10-24
5502087	GT5Y4SN1D24	GT5Y	24VDC	MONO-FUNCTION, 4PCO	23.78	23.07	22.35
5502090	GT5Y4SN1A24	GT5Y	24VAC	MONO-FUNCTION, 4PCO	23.78	23.07	22.35
5502093	GT5Y4SN1A100	GT5Y	100-120VAC	MONO-FUNCTION, 4PCO	23.78	23.07	22.35
5502096	GT5Y4SN1A200	GT5Y	200-240VAC	MONO-FUNCTION, 4PCO	23.78	23.07	22.35
5502099	SFA202	RETAINING CLIP FOR SOCKET			0.17	0.16	0.16

**TOP 48C, Panel Mounted  
Analogue Setting**



A panel mounted multi-function electronic timer with relay output from two changeover relays. Timer is compatible with standard 11-pin relay sockets if DIN rail mounting is preferred or can also be used with a solder tag connector for panel mounting. Large easy to read setting dial. Also available is an IP64 protective cover.

- Supply voltage: See price box for options
- Operating range: ± 15% of nominal voltage
- Contact rating: 5A at 250V AC/DC
- Relay output: DPCO
- Timing ranges: 8 options between 0.1s & 60h
- Repetition acc. set time: ± 0.5%
- Electrical life: 10<sup>5</sup>
- Display LED: Green/output, red/power on
- Temperature: -20°C to + 60°C
- Panel cutout: 45mm x 45mm
- Depth behind panel: 80mm, 105mm with solder socket

**Function A**

Delay on energisation



**Function B**

Timing on impulse



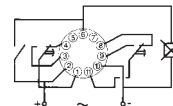
**Function C**

Timing after impulse



**Connections**

Functions: A, B, C, H, At, HT



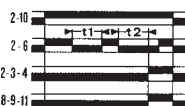
**Function H**

Timing on energisation



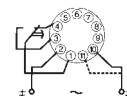
**Function At**

Delay on energisation with memory



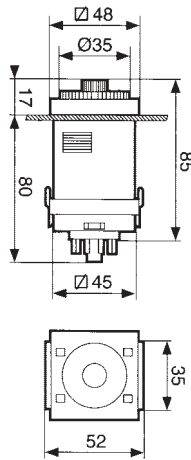
**Function Ht**

Timing on energisation with memory



Stock No.	Manf Ref <sup>1</sup>	Type	Voltage	Functions	Unit Price		
					1-4	5-9	10-24
3262184	88 886 005	TOP48C1	24VAC/VDC, 110-127VAC	A - B - C - H - Ht - At	39.52	37.15	35.17
3262187	88 886 006	TOP48C1	24VAC/VDC, 220-240VAC	A - B - C - H - Ht - At	39.52	37.15	35.17
3261332	79 237 785	IP64 PROTECTIVE COVER			5.36	5.04	4.77

**TOP 48L, Panel Mounted Recycling, Analogue Setting**

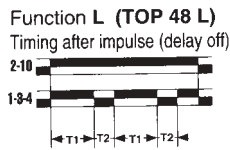


A panel mounted recycling, multi-function electronic timer with relay output from SPCO relay. Timer is compatible with standard 11-pin relay sockets if DIN rail mounting is preferred or can also be used with a solder tag connector for panel mounting. Large easy to read setting dial. Also available is an IP64 protective cover.

Supply voltage	24VAC/VDC, 220-240VAC
Operating range	± 15% of nominal voltage
Contact rating	8A at 250V AC/DC
Relay output	SPCO
Timing ranges	6 options between 0.1s & 10h
Repetition acc. set time	± 0.2%
Electrical life	2 x 10 <sup>5</sup>
Display LED	Green/output, red/power on
Temperature	-20°C to + 60°C
Panel cutout	45mm x 45mm
Depth behind panel	80mm, 105mm with solder socket

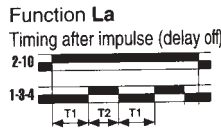
**Function L**

Timing after impulse (delay off)



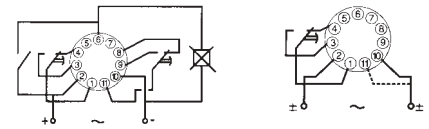
**Function La**

Timing after impulse (delay off)



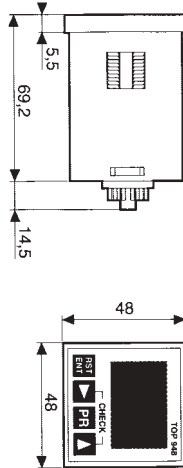
**Connections**

Functions: L, La



Stock No.	Manf Ref'	Type	Voltage	Functions	Unit Price		
					1-4	5-9	10-24
3262202	88 886 506	TOP48L	24VAC/VDC, 220-240VAC	L - La	55.58	52.25	49.47
3261332	79 237 785	IP64 PROTECTIVE COVER			5.36	5.36	4.77

**TOP 948, Panel Mounted Digital Display**

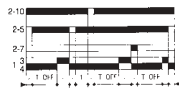


A panel mounted digital display multi-function electronic timer with 5A SPCO relay output. Timer is compatible with standard 11-pin relay sockets if DIN rail mounting is preferred or can also be used with a solder tag connector for panel mounting. 8 functions and configurations are stored in EEPROM. Optional locking via keyboard. IP65 protection class.

Supply voltage	See price box for options
Operating range	-15% / +10% of nominal voltage
Contact rating	5A at 250V AC/DC
Relay output	SPCO
Timing ranges	7 options between 0.1s & 999.9h
Repetition acc. set time	± 0.005% ± 20ms
Electrical life	10 <sup>5</sup>
Digital display	4 digits, 8mm high
Temperature	-10°C to + 50°C
Panel cutout	45mm x 45mm
Depth behind panel	78.2mm, 113.7mm with solder socket

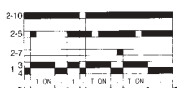
**Function A**

Delay on energisation



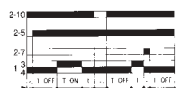
**Function B**

Timing on impulse



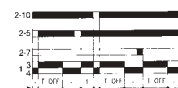
**Function D**

Cyclic timing

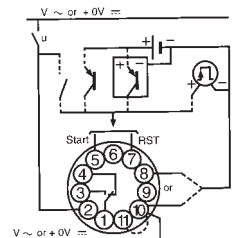


**Function H**

Timing on energisation

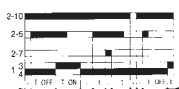


**Connections**



**Function Ab**

Cyclic timing single cycle



**Function C**

Timing after impulse (delay off)



**Function Di**

Cyclic timing



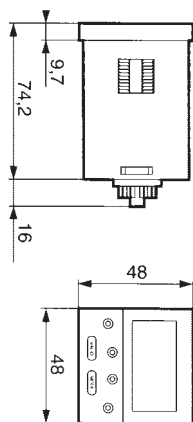
**Function T**

Timing on energisation with memory



Stock No.	Manf Ref'	Type	Voltage	Functions	Unit Price		
					1-4	5-9	10-24
3262064	88 857 504	TOP948	24VDC, 42-48VAC	A - Ab - B - C - D - Di - H - T	82.50	77.55	73.43
3262067	88 857 508	TOP948	110-127VAC, 220-240VAC	A - Ab - B - C - D - Di - H - T	82.50	77.55	73.43

**Panel Mounted  
Bright Red or LCD Display**



Two panel mounted digital multi-function electronic timers with an 8A SPCO relay output. One timer with four digit LCD indication and one offering four digit bright red LED indication. 6 functions and configurations are stored in battery back-up RAM. Access to programming is lockable. IP65 protection class. Both timer are compatible with standard 8 pin relay sockets for DIN rail mounting or can also be used with a solder tag connector for panel mounting.

Supply voltage	See price box for options
Operating range	+ 10% -15% of nominal voltage
Contact rating	8A at 250V AC, 8A at 30V DC
Relay output	SPCO
Timing ranges	11 options between 0.1s & 9999h
Repetition acc. set time	± 0.03% ± 20ms
Electrical life	10 <sup>5</sup>
Digital display	4 digits, 8mm high
Temperature	-10°C to + 60°C
Panel cutout	45mm x 45mm
Depth behind panel	80.5mm, 116mm with solder socket

5 >

**Function A      Function B      Function C      Connections**

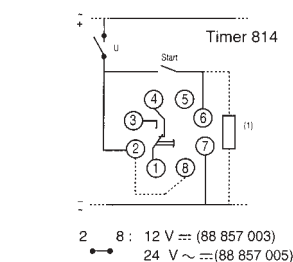
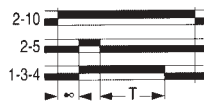
Delay on energisation



Timing on impulse

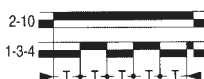


Timing after impulse

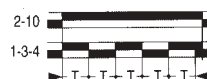


**Function D      Function Di      Function H**

Flip-Flop



Flip-Flop

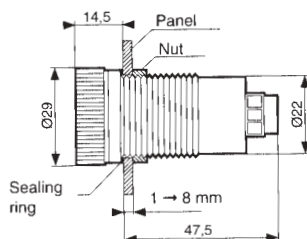


Timing on energisation



Stock No.	Manf Ref'	Type	Voltage	Functions	Unit Price		
					1-4	5-9	10-24
3262043	88 857 005	LCD DISPLAY	24VAC/VDC, 110-240VAC	A - B - C - D - Di - H	77.46	72.81	68.94
3262070	88 857 601	RED DISPLAY	24VAC/VDC, 220-240VAC	A - B - C - D - Di - H	114.93	108.03	102.29

**Ø22mm Panel Mounted  
Analogue Setting**



A panel mounted mono-function electronic timer, in 6 different timing ranges, with a solid state open collector PNP output which will fit a Ø22.3mm hole. PLC compatible for fast adjustment of set time. LED display of relay status and power on. IP65 protection class

Supply voltage	See price box for options
Output current	200mA/30VDC (24VDC types) 400mA (110-240VAC types)
Relay output	Solid state open collector PNP
Timing ranges	See price box for options
Repetition acc. set time	± 0.2%
Electrical life	>10 <sup>6</sup>
Display LED	Green/power on, red/output status
Temperature	-20°C to + 60°C
Panel cutout	Ø22.3mm

**Function A, 24VDC      Function A, 110-240VDC/VAC      Connections 24VDC      Connections 24VDC      Connections 110-240VDC/VAC**

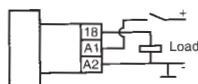
Delay on energisation



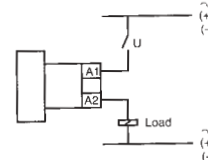
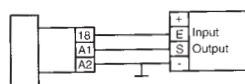
Delay on energisation



On Relay



On PLC



Stock No.	Manf Ref'	Type	Voltage	Time Range	Functions	Unit Price		
						1-4	5-9	10-24
3262289	88 901 322	MIN BOU	24VDC	0.5SEC-10SEC	A	26.82	25.21	23.87
3262301	88 901 342	MIN BOU	24VDC	3SEC-60SEC	A	26.82	25.21	23.87
3262319	88 901 372	MIN BOU	24VDC	0.5MIN-10MIN	A	26.82	25.21	23.87
3266468	88 901 328	MBA2F	110-240VDC/VAC	0.5SEC-10SEC	A	26.82	25.21	23.87
3266471	88 901 348	MBA2F	110-240VDC/VAC	3SEC-60SEC	A	26.82	25.21	23.87
3262322	88 901 378	MBA2F	110-240VDC/VAC	0.5MIN-10MIN	A	26.82	25.21	23.87