

Time delay relay (on operate, on release or repeat cycle timer)

Fixed or adjustable time delay

Contact arrangement

2 solid state outputs (DPST/NO)

Power supply

Direct current

PRINCIPLE TECHNICAL CHARACTERISTICS

Contacts rated at

0.25 mAmps / 28 Vdc

Weight

< 10 grams

Dimensions of case

23mm x 23mm x 6mm max

Tin plated hermetically sealed metal can.

CONTACT ELECTRICAL CHARACTERISTICS

Load (output) current

250 mA inductive at + 25° C

NUMBERING SYSTEM

Basic series designation	FLSH402	-	1
1-Accuracy (1,2,3,4)			

Esterline

Leach International
www.leachintl.com

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P.O. Box 5032
Buena Park, CA 90622 USA

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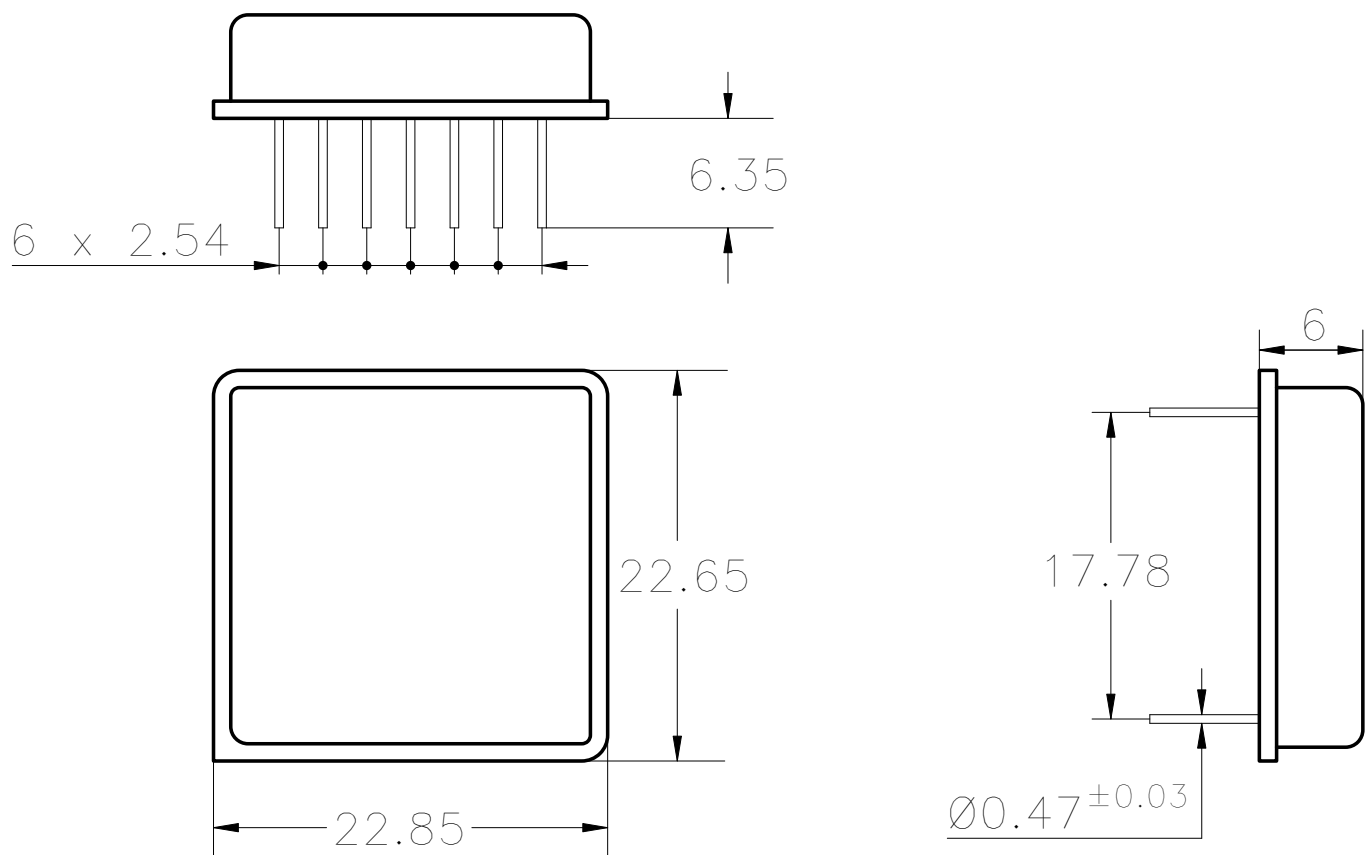
Europe, SA
2 Rue Goethe
57430 Sarralbe
France

Tel: (33) 3 87 97 98 97
Fax: (33) 3 87 97 84 04

Asia-Pacific Ltd.
20/F Shing Hing Commercial Bldg.
21-27 Wing Kut Street
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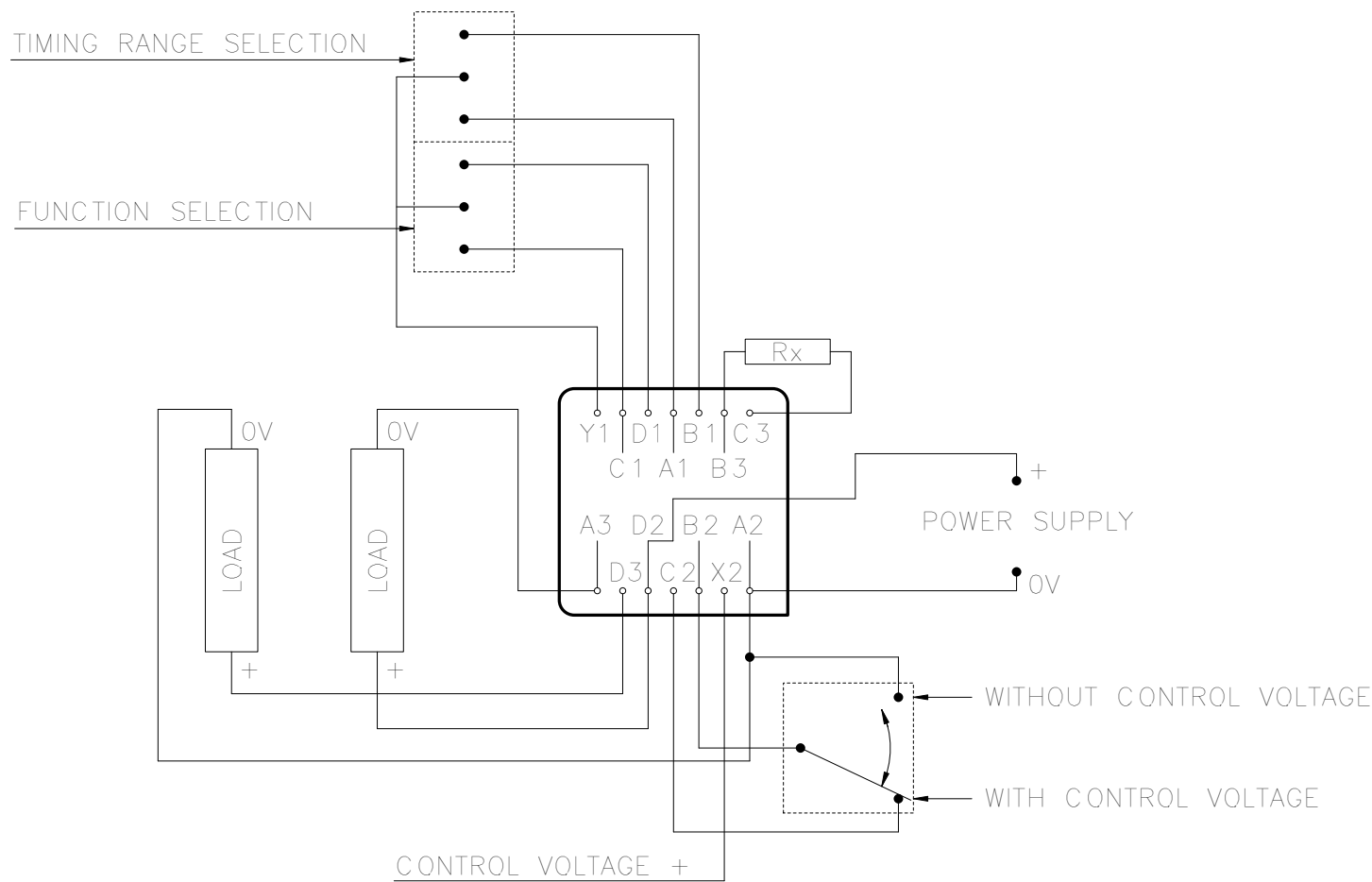
Tel: (852) 2 191 2886
Fax: (852) 2 389 5803

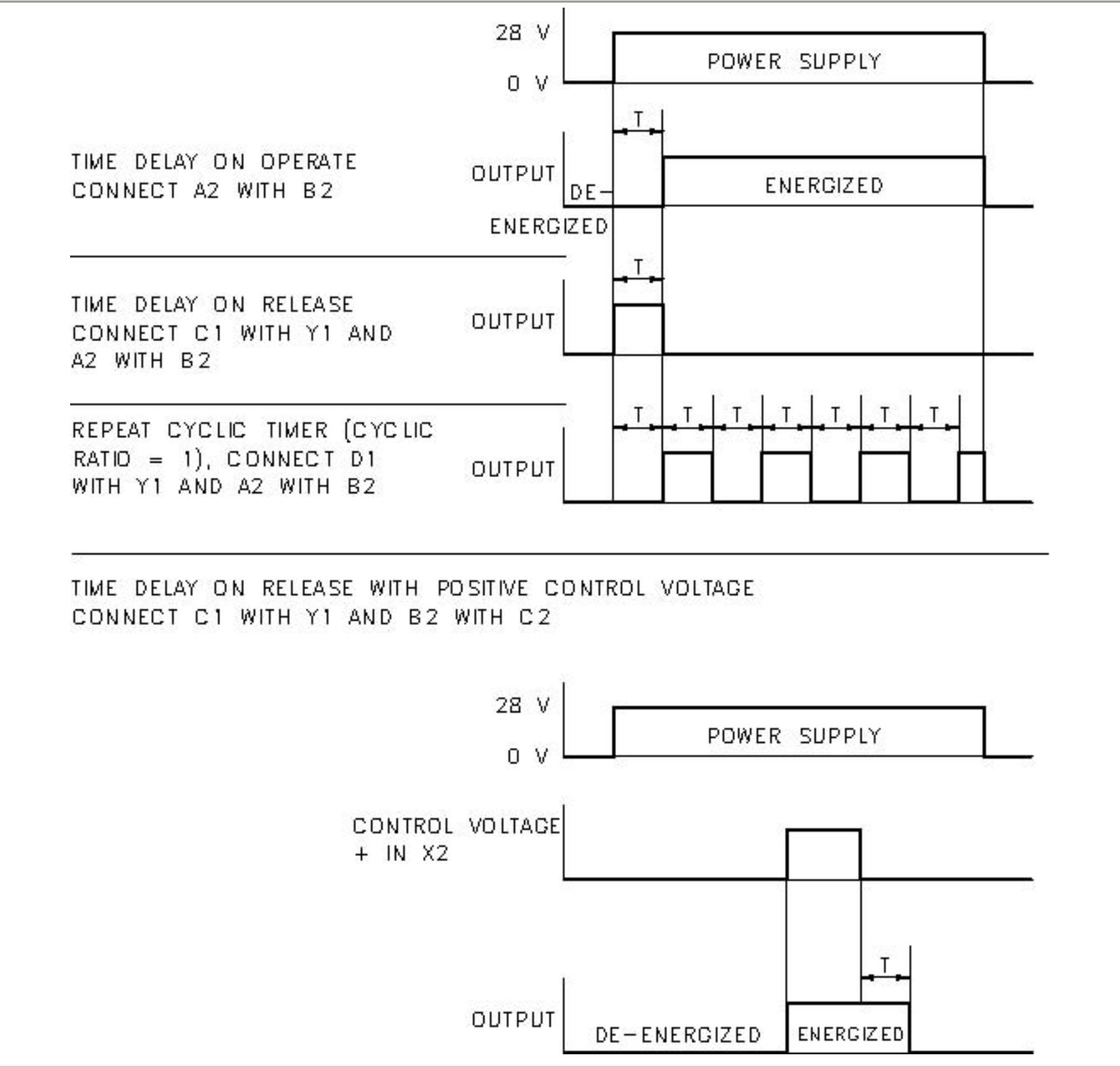
Data sheets are for initial product selection and comparison. Contact Leach International prior to choosing a component.



Dimensions in inch
Tolerances unless otherwise specified ± 0.20 mm

SCHEMATIC DIAGRAM/TERMINAL LAYOUT





TIMING RANGE

ADJUSTABLE

Range 1: 0.1 to 2.5 seconds

Range 2: 0.4 to 10 seconds

Range 3: 3.2 to 80 seconds

Range 4: 25 to 625 seconds

$R_x = 356 * (T - t_o)$

$R_x = 91.20 * (T - t_o)$

$R_x = 11.38 * (T - t_o)$

$R_x = 1.42 * (T - t_o)$

Timing range selection: connect	
A1 with Y2	
B1 with Y2	
nil	
A1 & B1 with Y2	

where R_x in kohms T : desired time in seconds,

t_o : time measured with $R_x = 0$.

Example to determine R_x value for a T time of 10 seconds: Choose range 3; measure time with $R_x = 0$ (for example : $t_o = 3.1$ s); subtract t_o from 10 seconds ($10s - 3.1s = 6.9s$); calculate $R_x = 11.38 \text{ kohms/s (range 3)} \times 6.9s$ Theoretical resistance: $R_x = 78.5 \text{ kohms}$

GENERAL CHARACTERISTICS**FLSH402**

Temperature range	-55° C to +125° C
Operating Voltage	18 to 32 Vdc (AIR norm 2021 E)
Recycle Time	less than or equal to 20 ms
Dielectric Strength between all pins connected together and can	750 V / 50 Hz
Insulation resistance at 100 Vdc (same condition as above)	greater than or equal to 100 M Ω
Sinusoidal vibration	30G / 70 to 3000 Hz
Shock	50G / 11 ms
Control voltage current	5 mAmps max at 28 Vdc

ACCURACY

	adjustable period	
		Accuracy resistor Rx to choose
Code 1	$\pm 10\%$	5% 100 ppm /° C
Code 2	$\pm 5\%$	2% 100 ppm /° C
Code 3	$\pm 3\%$	1% 50 ppm /° C
Code 4	$\pm 1\%$	on request

NOTES

1. Isolation spacer pads for PCB mounting available on request.