

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 **< 0.022lb**

Dimensions of case **0.91in x 0.91in x 0.24in max**

Tin plated hermetically sealed metal can.

CONTACT ELECTRICAL CHARACTERISTICS

Load (output) current

250 mA inductive at + 25° C

NUMBERING SYSTEM

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



Leach International
www.leachintl.com

North America
6900 Orangethorpe Ave.
P.O. Box 5032
Buena Park, CA 90622 USA

Tel: (01) 714-736-7599
Fax: (01) 714-670-1145

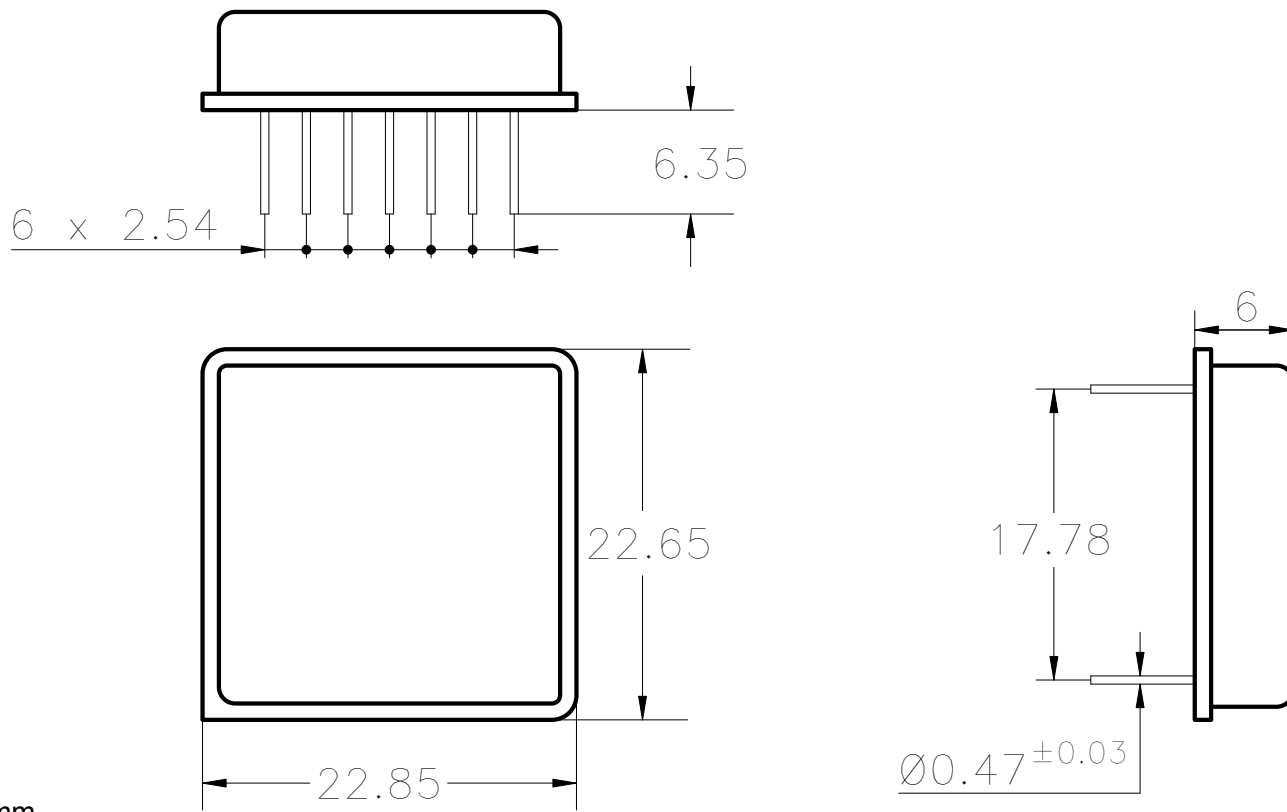
Europe, SA
2 Rue Goethe
57430 Sarralbe
France

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
Central, Hong Kong

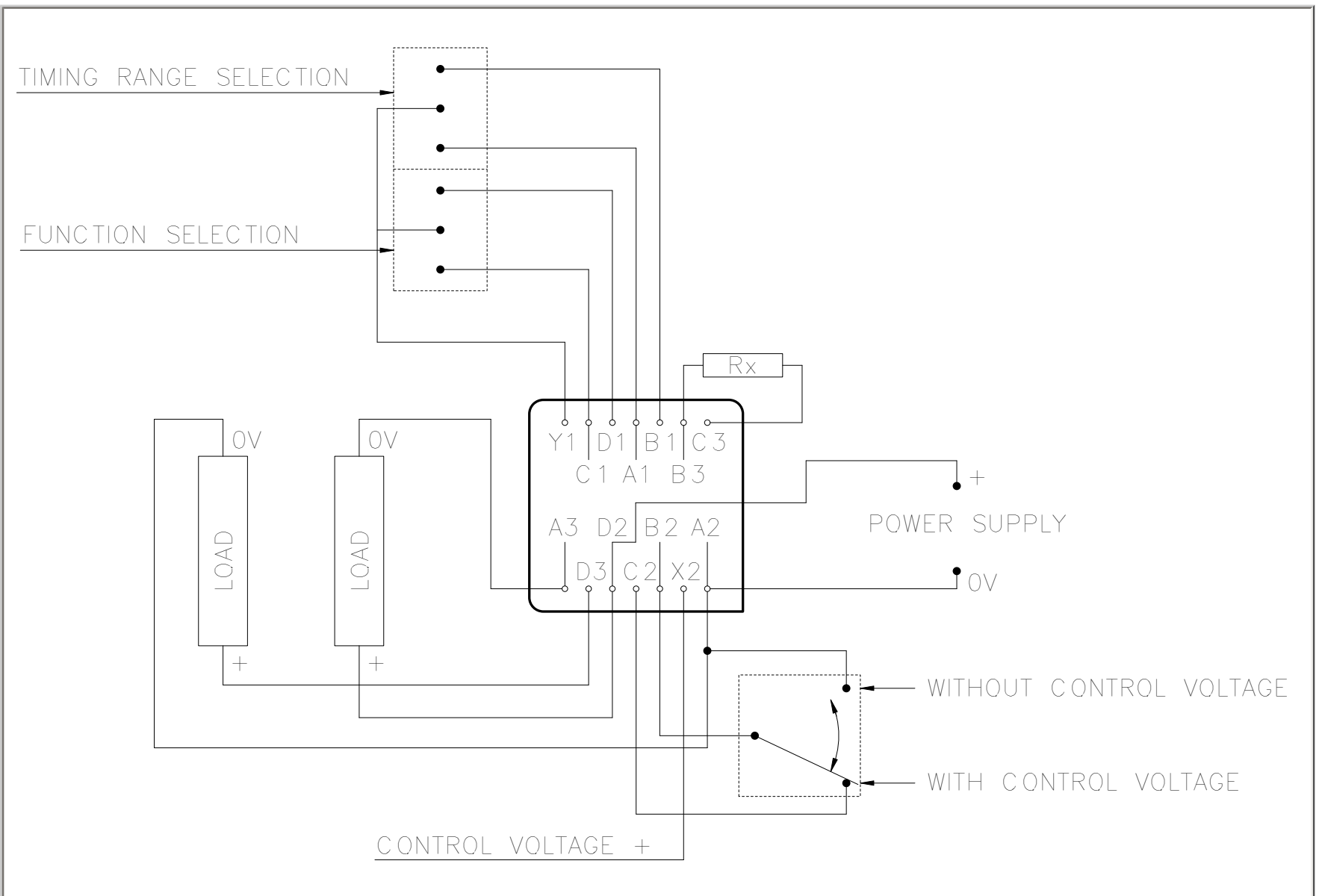
Tel: (852) 2 191 2886
Fax: (852) 2 389 5803

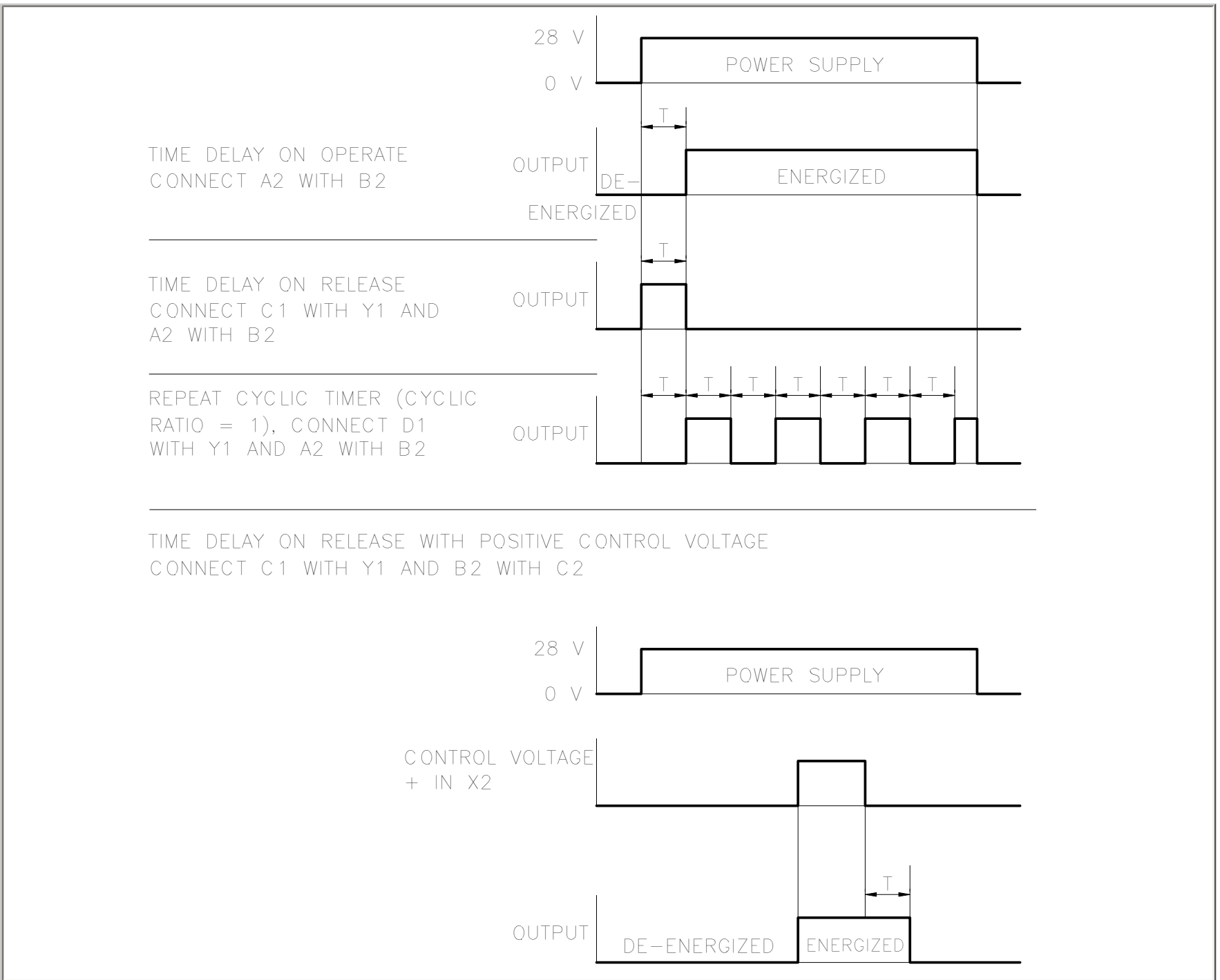
Data sheets are for initial product selection and comparison. Contact Leach International prior to choosing a component.



Dimensions in mm
Tolerances unless otherwise specified ± 0.20 mm

SCHEMATIC DIAGRAM/TERMINAL LAYOUT





TIMING RANGE

ADJUSTABLE

Range 1: 0.1 to 2.5 seconds	$R_x = 356 * (T - t_0)$
Range 2: 0.4 to 10 seconds	$R_x = 91.20 * (T - t_0)$
Range 3: 3.2 to 80 seconds	$R_x = 11.38 * (T - t_0)$
Range 4: 25 to 625 seconds	$R_x = 1.42 * (T - t_0)$

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_0 : 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 : $t_0 = 3.1$ s);
ubstract t_0 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.