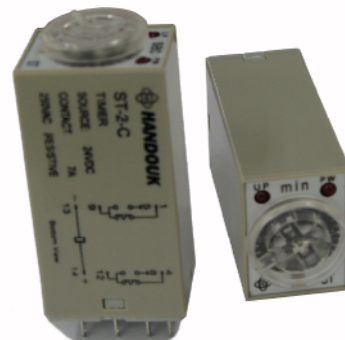




## ► FEATURES

- Semi-multi power supply voltage
- Exclusive C-MOS IC permits miniaturization and assures high performance
- High repeat accuracy :  $\pm 5\%$  including the initial value
- Short resetting time : 0.1 second max. including the time when the timer resets in operation
- Large transparent time setting knob facilitates time setting
- Equipped with a LED power-ON indicator
- Environmental friendly product (RoHs compliant)
- Outline Dimensions: 28.0 x 21.5 x 52.0mm



## ► CHARACTERISTICS

Accuracy of operating time(Max)		$\pm 5\%$
Setting error (Max.) <sup>1)</sup>		$\pm 10\% \pm 50\text{ms}$
Reset time (Max.)		0.1ms(Including halfway reset
Reset voltage (Max.)		10% of rated supply voltage
Influence of Voltage (Max.) <sup>1)</sup>		$\pm 2\%$
Influence of temperature (Max.) <sup>1)</sup>		$\pm 2\%$
Insulation resistance (Min.)		100M ohm (at 500VDC)
Dielectric Strength Between	contacts	1,500VAC 1min
	circuits	1,500VAC 1min
	contact sets	1,000VAC 1min
Vibration resistance	Destruction	10 to 55Hz, 0.75mm single amplitude
	Malfunction	10 to 55Hz, 0.50mm single amplitude
Shock resistance	Destruction	1,000 m/s <sup>2</sup> (100g)
	Malfunction	100 m/s <sup>2</sup> (10g)
Ambient temperature	Operating	-10°C to 50°C (with no icing)
	Storage	-25°C to 65°C (with no icing)
Ambient humidity		35% to 85% RH
Malchanical life (Min)		1x10 <sup>7</sup> ops (under no load at 1,800 ops/h)
Electrical life (Min.)		ST-2 : 1x10 <sup>5</sup> ops (7A 250VAC/30VDC. Res. load) ST-4 : 1x10 <sup>5</sup> ops (5A 250VAC/30VDC. Res. load)

Enclosure rating	IP40
Weight	50g

Notes: 1) Add  $\pm 10\text{ms}$  to above value for the 1s range model

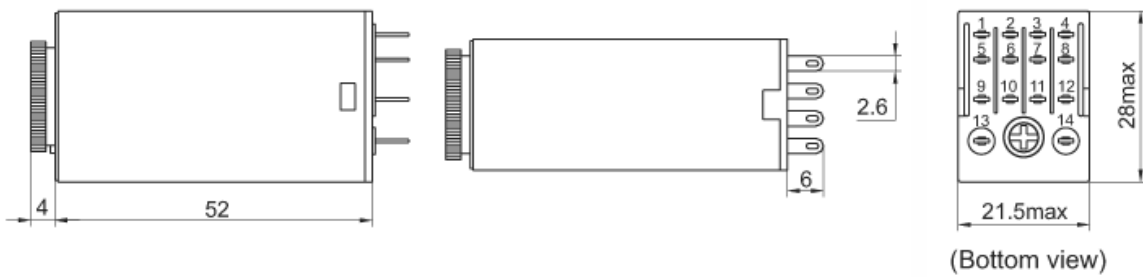
## ► TIME RANGE

Code	Rated time	Time setting range	Code	Rated time	Time setting range
A	1 s	0.1 to 1 s	G	5 min	0.2 to 5 min
B	5 s	0.2 to 5 s	H	10 min	0.5 to 10 min
C	10 s	0.5 to 10 s	I	30 min	1 to 30 min
D	30 s	1.0 to 30 s	J	60 min	2 to 60 min
E	60 s	2.0 to 60 s	K	3 h	0.1 to 3 h

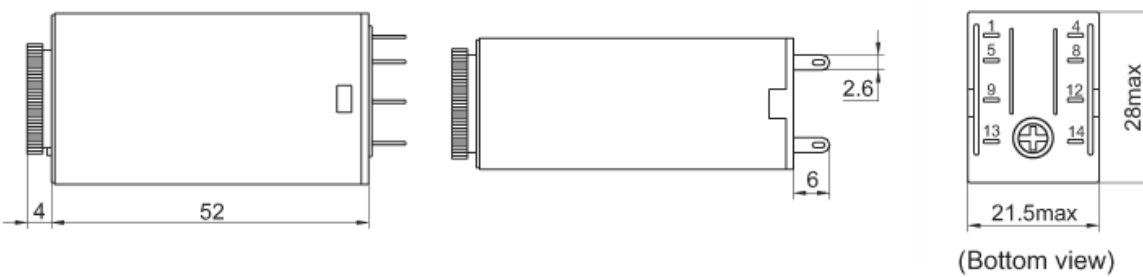
## ► ORDERING INFORMATION

	ST-2	A	24VDC	XXX
Type	ST-2 : 7A 250VAC/30VDC, 2pole ST-4 : 5A 250VAC/30VDC, 4pole			
Timing range	A to L (Show in the timing range table)			
Control voltages	12, 24, 48VDC, 110, 220, 240VAC			
Customer special code	Only for special requirements			

## ST-4

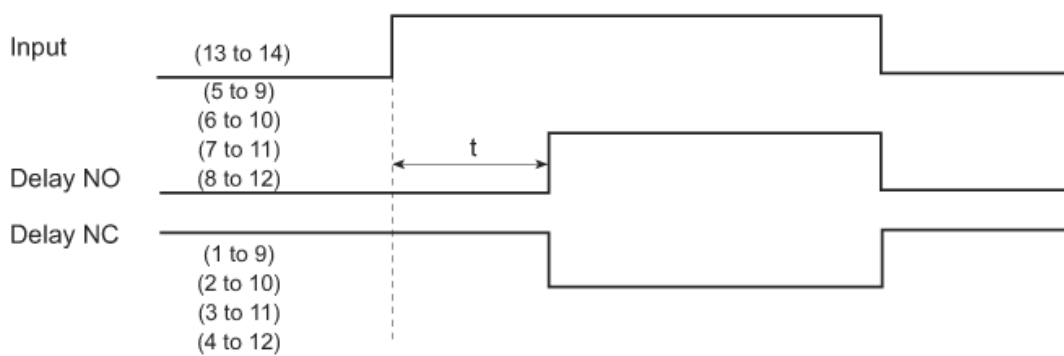


## ST-2



## DELAY OSCILLOGRAM

### ST-4



### ST-2