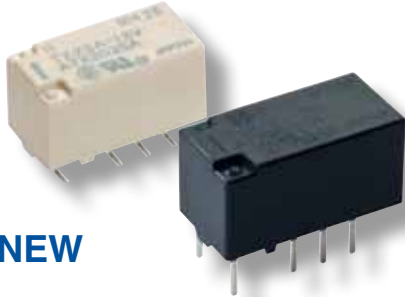


Panasonic
ideas for life

TX RELAY

WITH A BROAD LINE UP





NEW

TX-Relay series

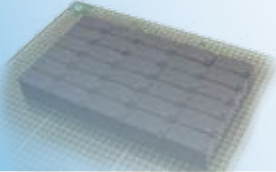
Technology of TX relay is being improved constantly so that we have a suitable type for any application.

- High sensitive
- High inrush current
- 6kV breakdown voltage
- Optimized for level load

TX-S

Features:

- Nominal operating power of 50mW



Advantage:

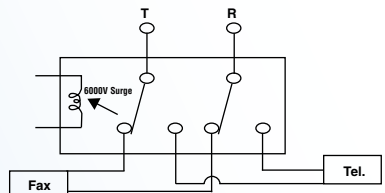
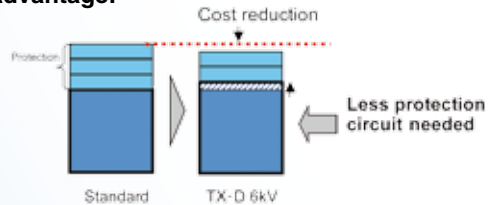
- Suitable for battery powered applications
- High packing density

TX-D 6kV

Features:

- Breakdown voltage: 6000V
- EN60950 Standard
- Increased creepage and clearance between coil & contact
- Improved sealed & molding technology

Advantage:



TX-TH

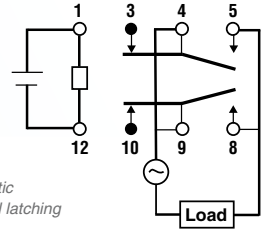
Features:

- Inrush current up to 7.5A for 10ms*

*(Precaution: When using at 7.5A, connection of NO (pin #5 and #8) and COM (pin #4 and #9) in the circuit is required.)

Advantage:

- For capacitive loads and lamp loads



Pin layout and schematic
(BOTTOM VIEW) 1 coil latching

TX-1

Features:

- Optimized for low level load

Test:

Sample: TX2-4.5V / TX2-4.5V-1

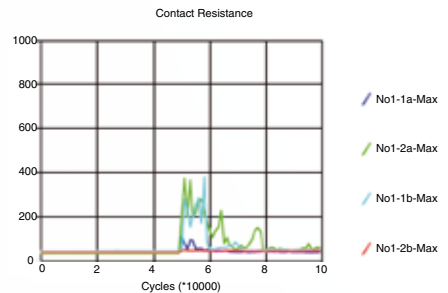
Contact material: AgPd+Au clad (stationary),
AgPd (movable)

Measurement condition:

20mV 1mA (1kHz), Delay time 200ms

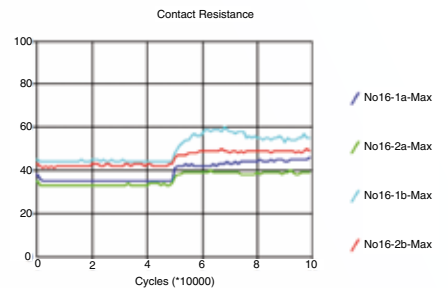
[mΩ]

TX



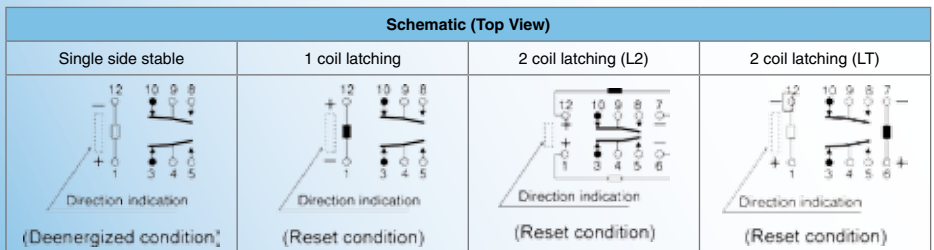
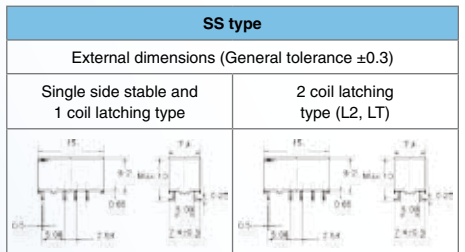
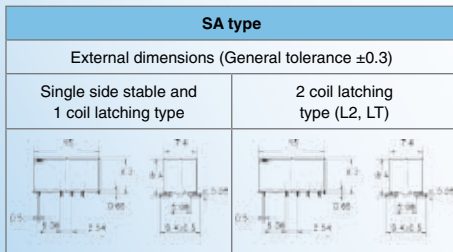
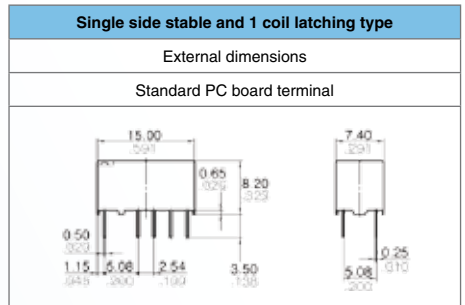
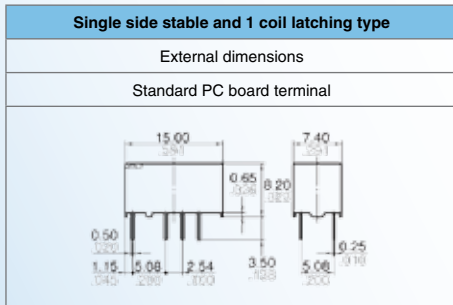
[mΩ]

TX-1



General TX specifications:

- High contact capacity: 2A 30VDC
- Contact arrangement: 2c
- Twin crossbar contacts ensures high contact reliability
- Sealed construction allows automatic washing



Features

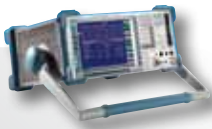
Product family	Common Features	Difference to Standard TX
TX-S	Same housing, same pinning: THT, SMD SA and SMD SS type available	High sensitive: 50mW
TX-D	Same housing, same pinning: THT, SMD SA and SMD SS type available	Higher clearance and creepance distance between coil and contact: Surge breakdown voltage: 6kV instead of 2kV
TX-TH	Same housing, same pinning: THT, SMD SA and SMD SS type available	High inrush current 7,5A for 10ms
TX-1	Same housing, same pinning: THT, SMD SA and SMD SS type available	Optimized for low level load



Industrial automation

- PLCs
- Industrial computer

Application areas for Panasonic TX-Relays (examples):



Measurement technology

- Measuring transducers
- Sensors
- Measuring devices



TV and video devices

- Digital cameras
- Video cameras
- MP3 players
- Multimedia



Office equipment

- Photocopy machines
- Fax machines



Communications technology

- Switching units
- Router / Modem
- Wireless/Ethernet



Safety equipment

- Monitoring systems
- Alarm systems
- Smoke detectors



Medical technology

- Ultrasound devices
- X-rays
- Cardiac mapping systems

North America

Europe

Asia Pacific

China

Japan

Panasonic Electric Works

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		Sunrise Parkway, Linford Wood, Milton Keynes, MK14 6LF, Tel. +44 (0) 1908 231555, Fax +44 (0) 1908 231599, www.panasonic-electric-works.co.uk
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