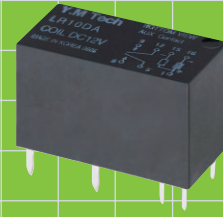


MINIATURE POWER LATCH RELAY

LR10 Series



▶ **LR10S (1 Coil latching)**

1 Form a

Spec.	Nominal voltage VDC	Set voltage VDC(Min)	Reset voltage VDC(Min)	Nominal operating current (mA)	Coil resistance $\pm 10\% \Omega$	Nominal operating power (mW)	Maximum allowable voltage
LR10S-3V	3	2.1	2.1	63	48	190	3.9
LR10S-5V	5	3.5	3.5	37	135	190	6.5
LR10S-6V	6	4.2	4.2	31	195	190	7.8
LR10S-9V	9	6.3	6.3	21	430	190	11.7
LR10S-12V	12	8.4	8.4	15	780	190	15.6
LR10S-24V	24	16.8	16.8	7.7	3,100	190	31.2

Note : 1. Nominal operating current and coil resistance are measured at + 20°C

▶ **LR10SA (1 Coil latching)**

1 Form a & 1 From Aux. A (Feed back Aux. contact)

Spec.	Nominal voltage VDC	Set voltage VDC(Min)	Reset voltage VDC(Min)	Nominal operating current (mA)	Coil resistance $\pm 10\% \Omega$	Nominal operating power (mW)	Maximum allowable voltage
LR10SA-3V	3	2.1	2.1	63	48	190	3.9
LR10SA-5V	5	3.5	3.5	37	135	190	6.5
LR10SA-6V	6	4.2	4.2	31	195	190	7.8
LR10SA-9V	9	6.3	6.3	21	430	190	11.7
LR10SA-12V	12	8.4	8.4	15	780	190	15.6
LR10SA-24V	24	16.8	16.8	7.7	3,100	190	31.2

Notes : 1. Nominal operating current and coil resistance are measured at + 20°C

2. The Auxilary contact switching capacities ($\cos\phi=1$) 0.5(A)24VDC/250VAC

▶ **Ordering Information**

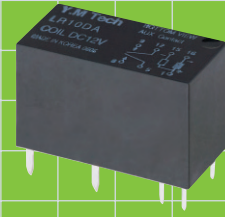
Ex. LR10 S A 12V

Contact ratings	Aux. Contact	Coil voltage
S- : 1Coil latching AC250V 10A Resistive load ($\cos\phi=1$)	A : Pilot contact (contact Gold-p.) 0.5 amp. 250VAC 0.5 amp. 24VDC	DC : 3, 5, 6, 9, 12, 24V

Notes 1. Standard packing
- PVC pack. : 100pcs, : Carton case : 500pcs
2. RoHS materials

MINIATURE POWER LATCH RELAY

LR10 Series



LR10D
LR10DA

▶ LR10D (2 Coil latching)

1 Form a

Spec.	Nominal voltage VDC	Set voltage VDC(Min)	Reset voltage VDC(Min)	Nominal operating current (mA)		Coil resistance $\pm 10\% \Omega$		Nominal operating power (mW)		Maximum allowable voltage
				Set	Reset	Set	Reset	Set	Reset	
LR10D-3V	3	2.1	2.1	125	125	24	24	370	370	3.9
LR10D-5V	5	3.5	3.5	74	74	68	68	370	370	6.5
LR10D-6V	6	4.2	4.2	62	62	97	97	370	370	7.8
LR10D-9V	9	6.3	6.3	41	41	220	220	370	370	11.7
LR10D-12V	12	8.4	8.4	31	31	390	390	370	370	15.6
LR10D-24V	24	16.8	16.8	15	15	1,550	1,550	370	370	31.2

Note : 1. Nominal operating current and coil resistance are measured at + 20°C

▶ LR10DA (2 Coil latching)

1 Form a & 1 From Aux. A (Feed back Aux. control systems)

Spec.	Nominal voltage VDC	Set voltage VDC(Min)	Reset voltage VDC(Min)	Nominal operating current (mA)		Coil resistance $\pm 10\% \Omega$		Nominal operating power (mW)		Maximum allowable voltage
				Set	Reset	Set	Reset	Set	Reset	
LR10DA-3V	3	2.1	2.1	125	125	24	24	370	370	3.9
LR10DA-5V	5	3.5	3.5	74	74	68	68	370	370	6.5
LR10DA-6V	6	4.2	4.2	62	62	97	97	370	370	7.8
LR10DA-9V	9	6.3	6.3	41	41	220	220	370	370	11.7
LR10DA-12V	12	8.4	8.4	31	31	390	390	370	370	15.6
LR10DA-24V	24	16.8	16.8	15	15	1,550	1,550	370	370	31.2

Notes : 1. Nominal operating current and coil resistance are measured at + 20°C

2. The Auxiliary contact switching capacities ($\cos\phi=1$) 0.5(A)24VDC/250VAC

▶ Ordering Information

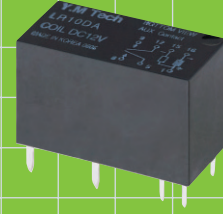
Ex. LR10 D A 12V

Contact ratings	Aux. Contact	Coil voltage
D- 2 Coil latching AC250V 10A Resistive load ($\cos\phi=1$)	A : Pilot contact (contact Gold-p.) 0.5 amp, 250VAC 0.5 amp, 24VDC	DC : 3, 5, 6, 9, 12, 24V

- Notes 1. Standard packing
- PVC pack. : 100pcs, : Carton case : 500pcs
2. RoHS materials

MINIATURE POWER LATCH RELAY

LR10 Series



▶ **LR10S-HI (1 Coil latching / AC250V 5A Resistive load (Cos φ=1))**

1 Form a

Spec.	Nominal voltage VDC	Set voltage VDC(Min)	Reset voltage VDC(Min)	Nominal operating current (mA)	Coil resistance ±10%Ω	Nominal operating power (mW)	Maximum allowable voltage
LR10S-3V	3	2.1	2.1	63	48	190	3.9
LR10S-5V	5	3.5	3.5	37	135	190	6.5
LR10S-6V	6	4.2	4.2	31	195	190	7.8
LR10S-9V	9	6.3	6.3	21	430	190	11.7
LR10S-12V	12	8.4	8.4	15	780	190	15.6
LR10S-24V	24	16.8	16.8	7.7	3,100	190	31.2

Note : 1. Nominal operating current and coil resistance are measured at + 20°C

▶ **LR10SA-HI (1 Coil latching / AC250V 5A Resistive load (Cos φ=1))**

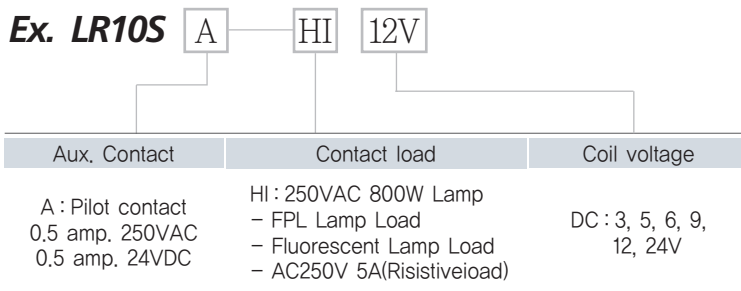
1 Form a & 1 From Aux. A (Feed back Aux. contact)

Spec.	Nominal voltage VDC	Set voltage VDC(Min)	Reset voltage VDC(Min)	Nominal operating current (mA)	Coil resistance ±10%Ω	Nominal operating power (mW)	Maximum allowable voltage
LR10SA-3V	3	2.1	2.1	63	48	190	3.9
LR10SA-5V	5	3.5	3.5	37	135	190	6.5
LR10SA-6V	6	4.2	4.2	31	195	190	7.8
LR10SA-9V	9	6.3	6.3	21	430	190	11.7
LR10SA-12V	12	8.4	8.4	15	780	190	15.6
LR10SA-24V	24	16.8	16.8	7.7	3,100	190	31.2

Notes : 1. Nominal operating current and coil resistance are measured at + 20°C

2. The Auxilary contact switching capacities (cosφ=1) 0.5(A)24VDC/250VAC

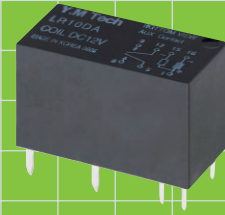
▶ **Ordering Information**



Notes 1. Standard packing
- PVC pack. : 100pcs, : Carton case : 500pcs
2. RoHS materials

MINIATURE POWER LATCH RELAY

LR10 Series



LR10D-HI
LR10DA-HI

▶ LR10D-HI (2 Coil latching / AC250V 5A Resistive load (Cos φ=1))

1 Form a

Spec.	Nominal voltage VDC	Set voltage VDC(Min)	Reset voltage VDC(Min)	Nominal operating current (mA)		Coil resistance ±10%Ω		Nominal operating power (mW)		Maximum allowable voltage
				Set	Reset	Set	Reset	Set	Reset	
LR10D-3V	3	2.1	2.1	125	125	24	24	370	370	3.9
LR10D-5V	5	3.5	3.5	74	74	68	68	370	370	6.5
LR10D-6V	6	4.2	4.2	62	62	97	97	370	370	7.8
LR10D-9V	9	6.3	6.3	41	41	220	220	370	370	11.7
LR10D-12V	12	8.4	8.4	31	31	390	390	370	370	15.6
LR10D-24V	24	16.8	16.8	15	15	1,550	1,550	370	370	31.2

Note : 1. Nominal operating current and coil resistance are measured at + 20°C

▶ LR10DA-HI (2 Coil latching / AC250V 5A Resistive load (Cos φ=1))

1 Form a & 1 From Aux. A (Feed back Aux. contact)

Spec.	Nominal voltage VDC	Set voltage VDC(Min)	Reset voltage VDC(Min)	Nominal operating current (mA)		Coil resistance ±10%Ω		Nominal operating power (mW)		Maximum allowable voltage
				Set	Reset	Set	Reset	Set	Reset	
LR10DA-3V	3	2.1	2.1	125	125	24	24	370	370	3.9
LR10DA-5V	5	3.5	3.5	74	74	68	68	370	370	6.5
LR10DA-6V	6	4.2	4.2	62	62	97	97	370	370	7.8
LR10DA-9V	9	6.3	6.3	41	41	220	220	370	370	11.7
LR10DA-12V	12	8.4	8.4	31	31	390	390	370	370	15.6
LR10DA-24V	24	16.8	16.8	15	15	1,550	1,550	370	370	31.2

Notes : 1. Nominal operating current and coil resistance are measured at + 20°C

2. The Auxiliary contact switching capacities (cos φ=1) 0.5(A)24VDC/250VAC

▶ Ordering Information

Ex. LR10D A HI 12V

Aux. Contact	Contact load	Coil voltage
A : Pilot contact 0.5 amp. 250VAC 0.5 amp. 24VDC	HI : 250VAC 800W Lamp - FPL Lamp Load - Fluorescent Lamp Load - AC250V 5A(Risistiveoad)	DC : 3, 5, 6, 9, 12, 24V

Notes 1. Standard packing
- PVC pack. : 100pcs, : Carton case : 500pcs
2. RoHS materials

MINIATURE POWER LATCH RELAY

LR10 Series

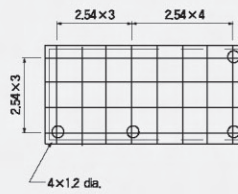


▶ Dimensions

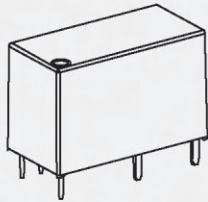
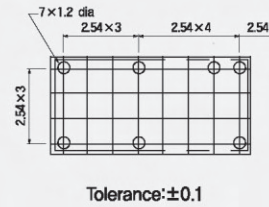
LR10

◆ PC board pattern(Bottom view)

Single side stable
1 coil latching type

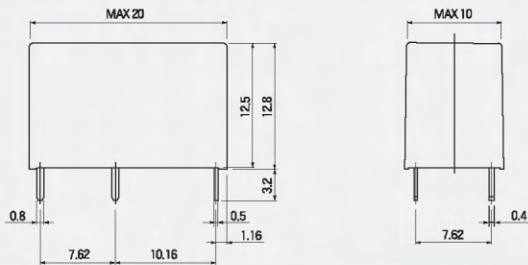


2 coil latching type



◆ Single side stable

1 Coil latching type

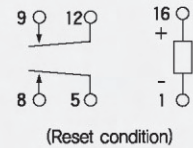


◆ Schematic (Bottom view)
Single side stable

1A type

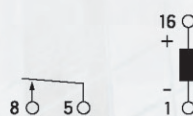


1A1a type

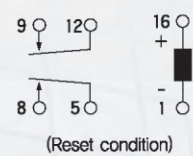


1 Coil latching type

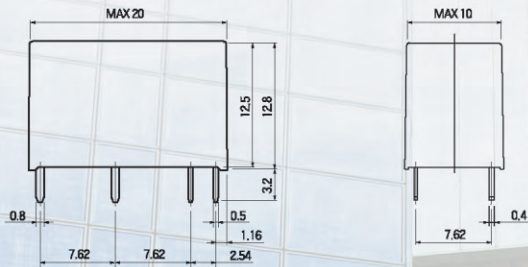
1A type



1A1a type



2 Coil latching type



2 Coil latching type

1A type



1A1a type

