

# Auxiliary and Lockout Relay

- Attracted armature type electro-mechanical relays
- Bimetal contacts with copper and silver alloy to ensure higher contact capacity for tripping and control applications



## Lockout Relays [Master Trip Relay] - LocR

- LocR relays are designed to operate the circuit breaker trip coils at high speed
- They are designed for hand reset contact (HRC) with hand reset Flag (HRF)
- Available contact configuration: 3 N/O + 2 N/C
- Coil Voltages – 24VDC, 110VDC, 220VDC, 230VAC

Description	Coil Voltage	Output contacts	Contacts Reset	Flag Reset	Cat no.
Single element high speed Lockout / Master trip relay	24VDC	3N/O + 2 N/C	Hand	Hand	L1H32DC024X
	110VDC				L1H32DC110X
	220VDC				L1H32DC220X
	230VAC				L1H32AC230X

## Auxiliary Relay - AuxR

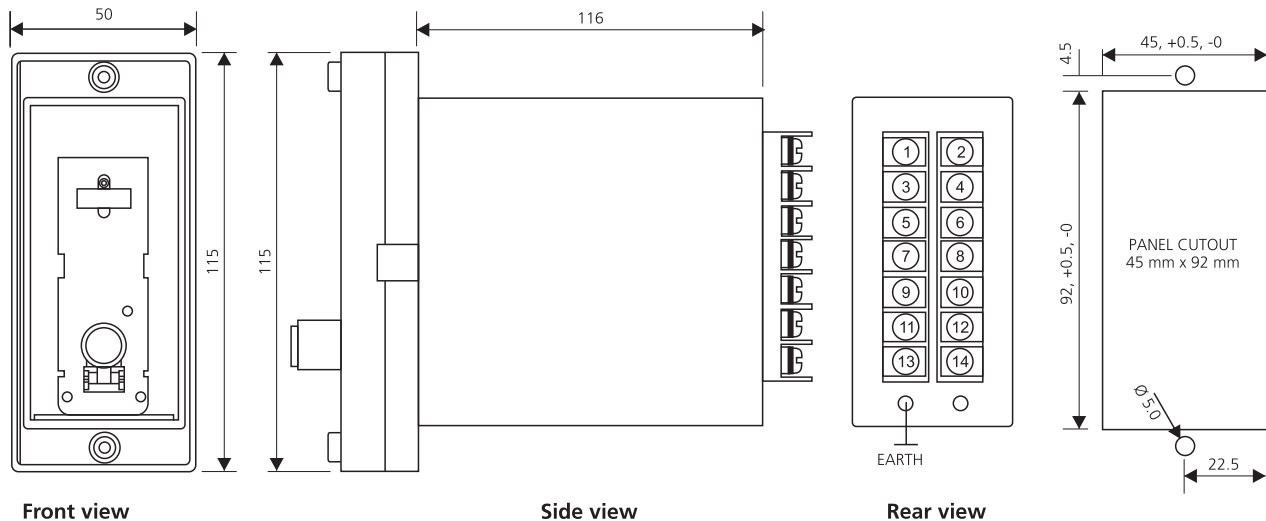
- AuxR relays provide additional contacts for interlocking, control and signal applications.
- They are designed for hand reset or self-reset contacts with hand reset Flag as status indicator.
- Available contact configuration: 2 N/O + 2 N/C or 4 N/O
- Coil Voltages – 24VDC, 110VDC, 220VDC, 230VAC

Description	Coil Voltage	Output contacts	Contacts Reset	Flag Reset	Cat no.
single element Aux. relay with four pairs of HR/SR contact with HR flag	24VDC	4 N/O	Hand	Hand	A1H40DC024X
	110VDC				A1H40DC110X
	220VDC				A1H40DC220X
	230VAC				A1H40AC230X
	24VDC	2 N/O + 2 N/C	Auto	Hand	A1A22DC024X
	110VDC				A1A22DC110X
	220VDC				A1A22DC220X
	230VAC				A1A22AC230X

## Technical Specification

Description	Lockout [Master trip] Relay - LocR	Auxiliary Relay - AuxR
Contact Rating – Make & Carry	Continuous: 1250VA . Max. 5A & 300V AC / 1250W Max. 5A & 300V DC For 3sec : 7500VA Max. 5A & 300V AC / 7500W Max. 5A & 300V DC	
Contact Rating - Break	1250VA, max. 5A & 300V AC / 100W(Resistive), Max. 5A & 300V DC / 50W (Inductive), Max. 5A & 300V DC	
Contact - Durability	Loaded : 10,000 operations / Un-loaded : 1,00,000 operations	
Burden	During Operation 40W - 24/30/48/110/220V DC 40VA - 110/230V AC With internal coil Cut-off (Tolerance Max. +5%)	Continuous 3 W – 24/30/48/110 VDC 7 W – 220V DC 4VA – 110/230V AC (Tolerance Max. +5%)
Operating time at rated voltage	< 10ms (5 Contact Relay) < 15ms for AC relays (Tolerance Max. +1ms)	< 30ms  (Tolerance Max. +1ms)
Operating voltage range	50 – 120% of rated	75 – 120% of rated
Mounting	Flush	
Compliance	Performance test : IEC 60255-1, 2009 AC Dielectric test : IEC 60255-27, 2013 Insulation resistance test : IEC 60255-27, 2013 Climatic test : IEC 60068-2, 2007 IP 54 test : IEC 60529, 2013 Contact performance test : IEC 60255-1, 2009 Vibration response test : IEC 60255-21-1, 1988 Vibration endurance test : IEC 60255-21-2, 1988 Burden Test : IEC 60255-1, 2009	

## Overall Dimensions



Weight : 500gms. (approx)

Case Size : 50x115x116 mm (WxHxD)

Panel cutout : 45x92 mm (WxH) with 2 holes of 5 mm dia.

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