



RDL[®]
Radio Design Labs

SPECIALISTS IN PRACTICAL PRECISION ENGINEERING™

STICK-ON[®] SERIES

Model ST-LCR1H

High Power

Logic Controlled Relay

ANYWHERE YOU NEED...

- Switching of Speaker Lines
- Control from Switch or Logic Circuits
- DPDT Switching Contacts
- Open-Collector Switching
- 8 Amp Relay Contacts

You Need The ST-LCR1H!



The ST-LCR1H is part of the group of versatile STICK-ON products from Radio Design Labs. The durable adhesives provided with the ST-LCR1H permit permanent or removable mounting. Numerous available mounting accessories, brackets and rack-mount chassis are optionally available.

APPLICATION: The ST-LCR1H provides dry-switching contacts for high power switching, an LED indicator showing relay activation, and input connections. Switching contacts are suited to switching many 8 Ω , 70.7 V or 100 V speaker lines.

The relay closes when an input signal is applied. The relay releases when the input signal is removed. The ST-LCR1H is ideally suited to applications where high power switching contacts need to be added to nearly any type of control signal. The relay may be activated from any of 3 input signals: 5 Vdc, 24 Vdc, or open-collector.

Wherever a heavy duty logic controlled relay is needed, the ST-LCR1H is the ideal choice. Use the ST-LCR1H individually, or combine it with other RDL RACK-UP[®], STICK-ON, TX[™], or FLAT-PAK[™] series products as part of a complete audio/video system.

STICK-ON[®] SERIES

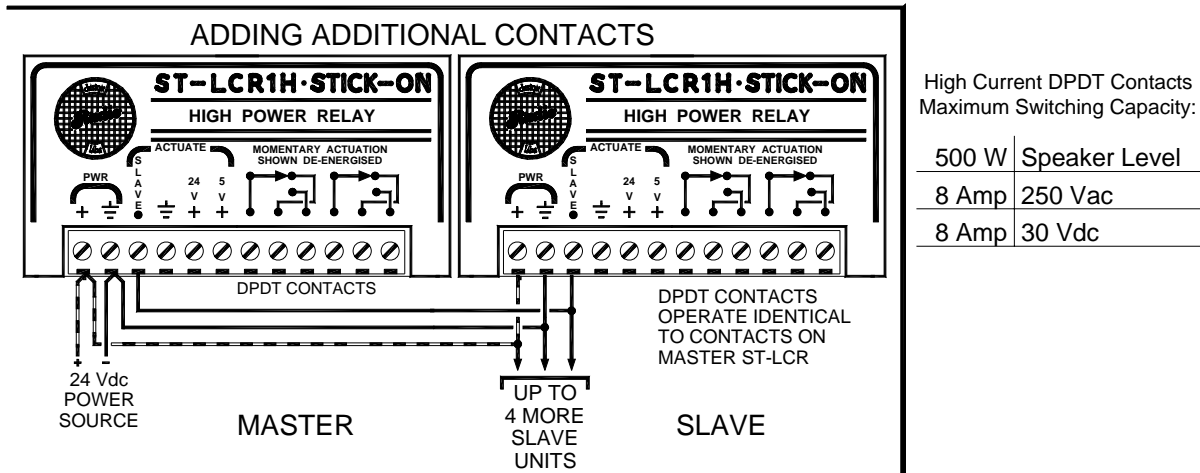
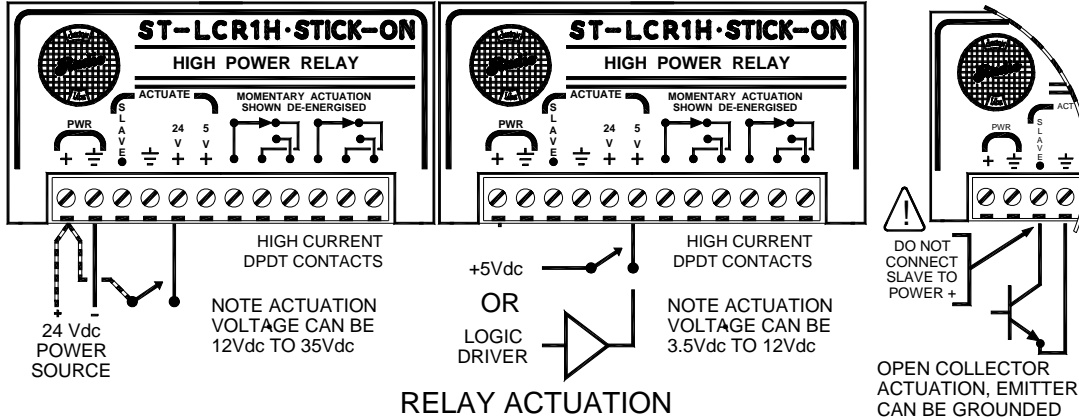
Model ST-LCR1H

High-Power Logic Controlled Relay

Installation/Operation



EN55103-1 E1-E5; EN55103-2 E1-E4
Typical Performance reflects product at publication time exclusive of EMC data, if any, supplied with product. Specifications are subject to change without notice.



TYPICAL PERFORMANCE

OUTPUTS:

Open collector @ 25 mA suitable to drive indicators or slave LCRs.

SWITCHING CONTACTS:

Max Current:

8 Amp @ 250 Vac or 30 Vdc

Max Power:

500 W (amplified audio signal)

Power Requirement:

24 to 33 Vdc @ 50 mA, Ground referenced

SLAVE CONTROL INPUT:

Input from other equipment's open-collector output activates the relay when the open-collector is pulled to ground (RDL switching STICK-ONS have available open-collector outputs suitable for driving the ST-LCR1H). Input from remote push-button or switch activates the relay when that switch is on. Activation is by connecting this input to ground.

POSITIVE VOLTAGE INPUTS:

The 5 Vdc input accepts 3.5 Vdc to 12 Vdc to activate the relay. The relay is only active when this control signal is applied. The 24 Vdc input accepts 12 Vdc to 35 Vdc to activate the control circuit. The relay is only active when this control signal is applied.