



RLY232 Relay Controller command documentation

The RLY232 is an RS232 interface to two industrial switching relays available from Cedar Lake Instruments (<http://www.cedarlakeinstruments.com/blog/products/rs232-serial-controlled-dual-relay>). It allows your computer to switch electrical circuits on and off without manual intervention.

Communication

Serial RS232 9600 bps, 8N1

Commands

Control commands are single byte indicating state of the relays as a bitmap of the lower two bits. e.g., in hexadecimal, 0x01 turns on relay 1 and all other relays off, 0x03 turns on relays 2 & 1, etc

Both off	0	0	0	0	0	0	0	0	0
1 off 2 on	0	0	0	0	0	0	1	0	2
2 off 1 on	0	0	0	0	0	0	0	1	1
Both on	0	0	0	0	0	0	1	1	3

The query command (0x30) returns the current state of the relays.

RLY232 board will respond with the relay state encoded in the bitmap above

You can download sample software to control the relays at the Windows command line from

<https://github.com/cedarlakeinstruments/SendSerialCommand> For Linux systems you can use the following commands

```
stty -F /dev/ttyS0 speed 9600 cs8 -parenb clocal -crtscts to set the parameters for COM1 (ttyS0)
```

echo -ne "\x1" > /dev/ttyS0 will turn on relay #1. Use \x2 for relay 2 and \x0 to turn both off