

RelayBox RB812A

Universal Electronic Switching Unit

DResearch
Digital Media Systems GmbH

Phone: +49 30 - 515 932 - 0

Fax: +49 30 - 515 932 - 299

e-mail: contact@dresearch.de

WWW: <http://www.dresearch.de>

Managing Director: Dr. Michael Weber

County court Berlin-Charlottenburg · HRB-Nr. 54412

Accounting details:

Dresdner Bank AG

Bank code number: 120 800 00

Account number: 40 472 475 00



RelayBox RB82A

The RelayBox is an accessory device for the TeleObserver series. Electric switching processes can be remote controlled via the TeleObserver, e.g. the control of electro-mechanical pan/tilt/zoom camera units.

The RelayBox is controlled via the RS232 serial interface, thus enabling a universal use of the box, even independently of TeleObserver.

The RelayBox is a small, compact device, about the size of a TeleObserver.

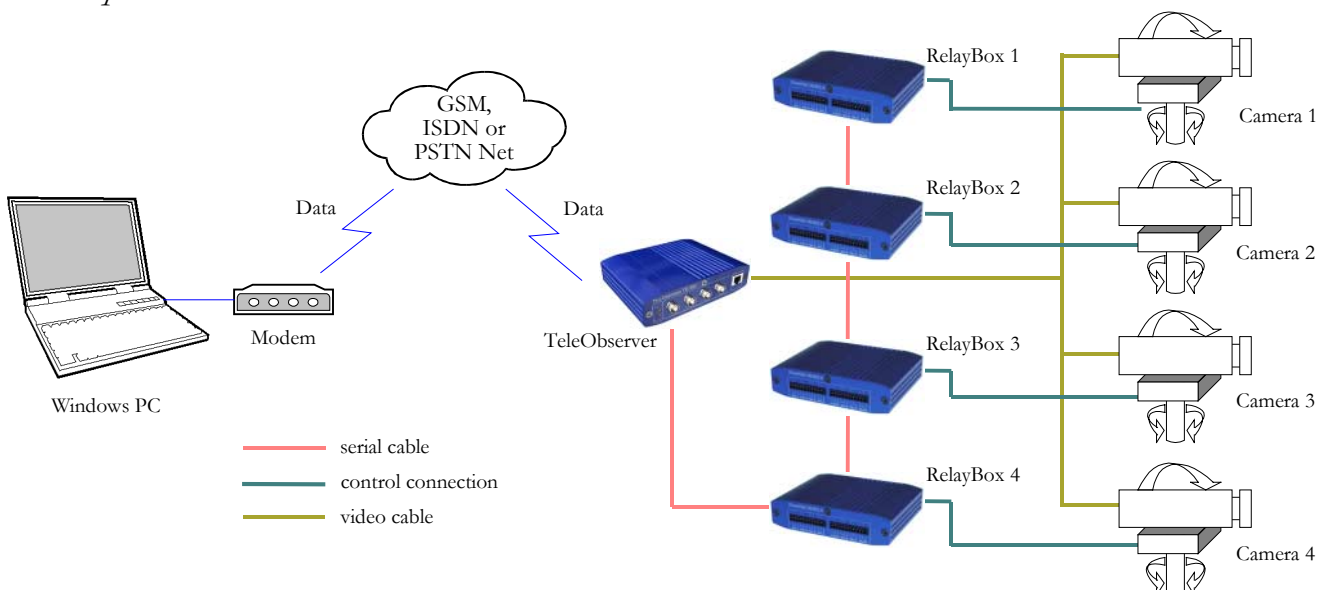
Mounting rails provide an easy fixing of the box in stationary applications.

The RelayBox RB812A has 8 separately controllable relays and a second RS232 interface, so that up to 16 RelayBoxes can be used in cascade. Additionally to the basic functions (on/off), it is also possible to execute switching pulses up to 25 seconds long, with a precision of 0.1 seconds.

Fields of Application

- as an accessory for the TeleObserver in order to extend its functionality, e.g. for controlling pan/tilt cameras
- in Facility Management, e.g. for computer-controlled lighting
- together with a PC, for the control of models, e.g. model railways

Example: Pan and Tilt Units



Technical Data

Relay connector (2, for 4 relays each)	3.5mm pluggable terminal block, 12 contacts
Power supply	12V DC stabilized
Operating current	max. 200mA (8 Relays)
Data transmission parameters (RS232 level)	9600 8N1
Relay contact rating	42 V / 1.5 A
Serial interface (Input)	RS232 DSUB9 Female
Serial interface (Output for Cascading)	RS232 DSUB9 Male
Size (Length x Width x Height)	105 x 139 x 34 mm ³ (4.13 x 5.47 x 1.34 in ³)
Weight	400 g (14.11 oz)

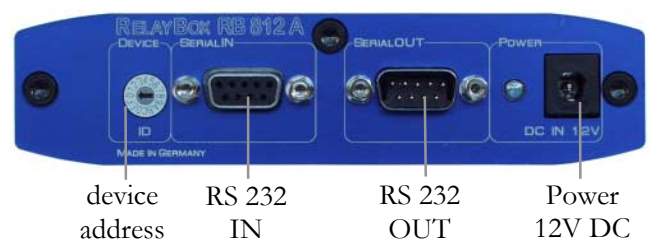
Environmental Conditions

Temperature:	Operation	0°C to +50°C (32°F to 122°F)
	Storage	0°C to +85°C (32°F to 185°F)
Humidity:	Operation	10% to 90% (not condensing)
	Storage	5% to 95% (not condensing)

Front View



Rear View



Relay-connector Assignment

