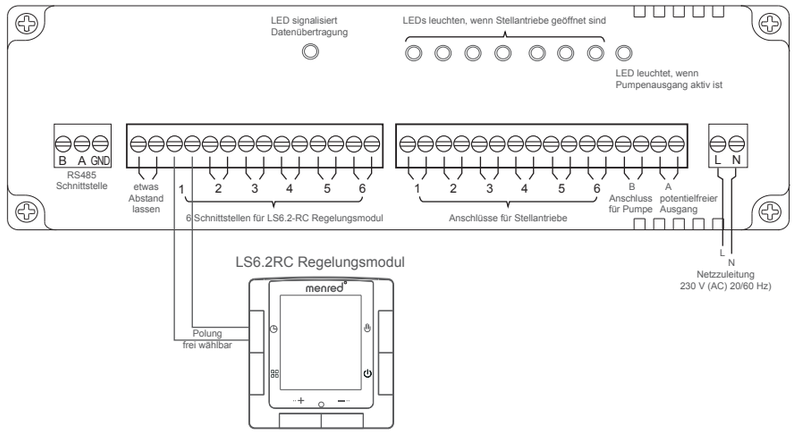
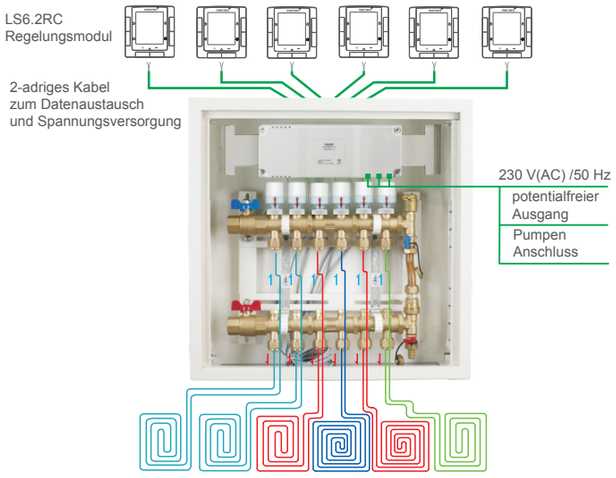
Anschlüsse

LS6-Box-6(2) Regelklemmleiste mit LS6.2RC Thermostat

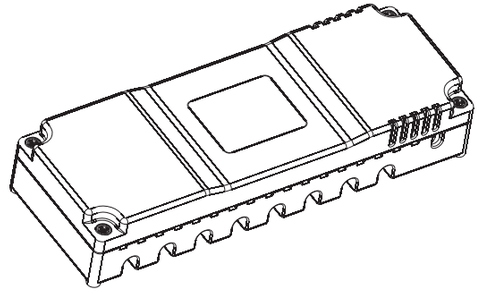


Verkabelung



menred®

LS6-Box-6(2)
6 Kanal Regelklemmleiste



Die LS6-Box-6(2) Regelklemmleiste wird mit Wechselstrom betrieben. Dabei wird die Spannungsversorgung zu den einzelnen angeschlossenen Geräten von der LS6-Box-6(2) gewährleistet. Der Vorteil hierbei ist, dass die Spannungsversorgung und der Datenaustausch über ein zweiadriges Kabel erfolgt.
Es können bis zu 6 Geräte gleichzeitig an der Regelklemmleite betrieben werden.

Technische Daten

Betriebsspannung:	230 V (AC) / 50 Hz
Schaltstrom:	max. 3 A
Pumpenausgang:	zur Ansteuerung einer Pumpe
Schaltausgang:	potentialfreier Schaltkontakt, stromlos offen
Anzahl Ausgänge:	6 Aktoren
Schutzklasse:	IP20
Abmessungen:	310 mm x 110 mm x 58 mm

Ansteuerung der Ausgänge durch LS6.2-RC Regelungsmodul

basierend auf den erweiterten Einstellungen, Programmpunkt 4rLE

Beschreibung 4rLE Ausgänge: 00

A) potentialfreier Schaltausgang, stromlos offen, Verzögerung ca. 2 Minuten

B) Anschluss für Heizkreispumpe, max. 3 A, stromlos offen

Wenn irgendein Raumthermostat die Aufforderung zum Heizen signalisiert, dann wird der Anschluss A mit ca. 2 Minuten Verzögerung und Anschluss B sofort zugeschaltet. Wenn kein Raumthermostat mehr den Heizbetrieb signalisiert hat, dann schalten die Ausgänge A) und B) ohne Verzögerung ab.

Beschreibung 4rLE Ausgänge: 01

A) potentialfreier Schaltausgang, stromlos offen, Verzögerung ca. 2 Minuten

B) Anschluss für Heizkreispumpe, max. 3 A, stromlos geschlossen

Wenn irgendein Raumthermostat die Aufforderung zum Heizen signalisiert, dann wird der Anschluss A mit ca. 2 Minuten Verzögerung zu- und Anschluss B sofort abgeschaltet. Wird der Thermostat ausgeschaltet, dann bleibt der Ausgang B weiterhin mit Spannung versorgt.

Beschreibung 4rLE Ausgänge: 02

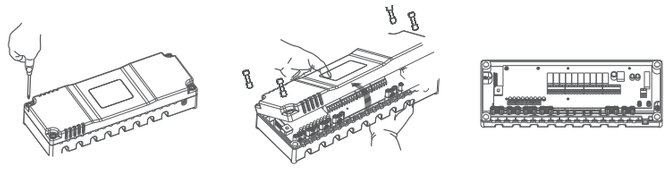
A) potentialfreier Schaltausgang, stromlos offen, Verzögerung ca. 2 Minuten

B) Anschluss für Heizkreispumpe, max. 3 A, stromlos geschlossen

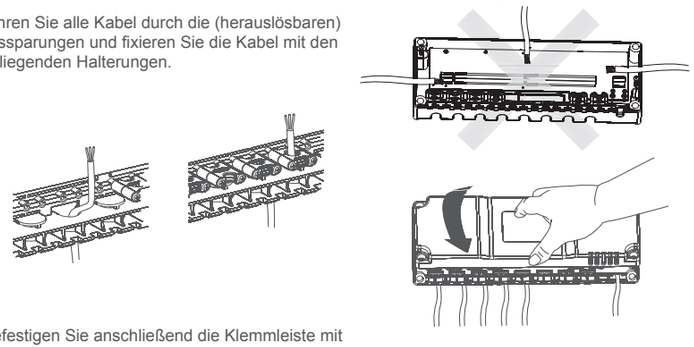
Wenn irgendein Raumthermostat die Aufforderung zum Heizen signalisiert, dann wird der Anschluss A mit ca. 2 Minuten Verzögerung zu- und Anschluss B sofort abgeschaltet.

Montageschritte

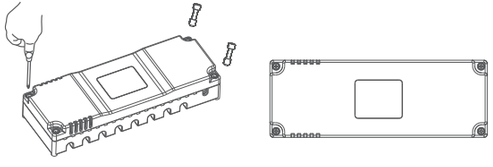
1 Lösen Sie die 4 Schrauben mit einem geeigneten Schraubendreher und öffnen Sie die Abdeckung.



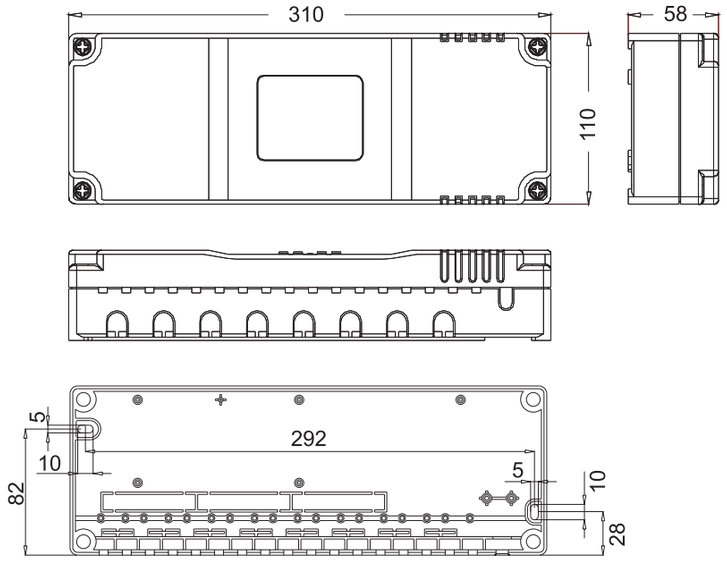
2 Führen Sie alle Kabel durch die (herauslösbaren) Aussparungen und fixieren Sie die Kabel mit den beiliegenden Halterungen.



3 Befestigen Sie anschließend die Klemmleiste mit den 2 beiliegenden Schrauben auf einem geeigneten Untergrund und verschließen den Deckel wieder.

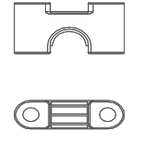


Abmessungen (mm)



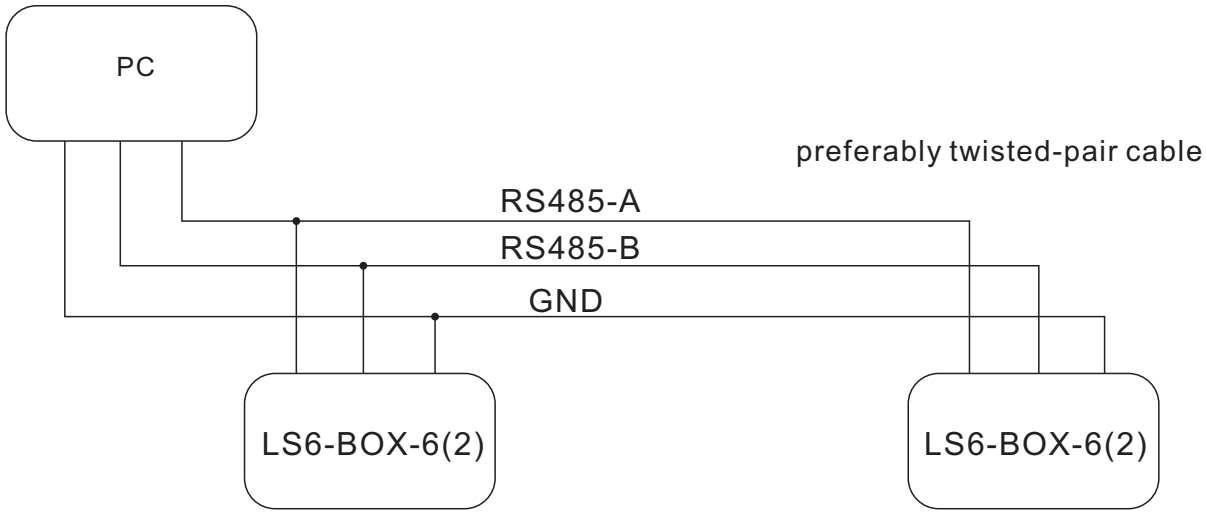
Zubehör

2 Schrauben M4x7,5x36
2 Schrauben P+ST3,9x28,8x8AB
18 Schrauben P+ST2,9x30B
2 Schrauben P+ST2,9x16B
2 Schrauben P+ST3,4x12,8AB
18 Kabelhalter
2 Dübel



Kabelhalter

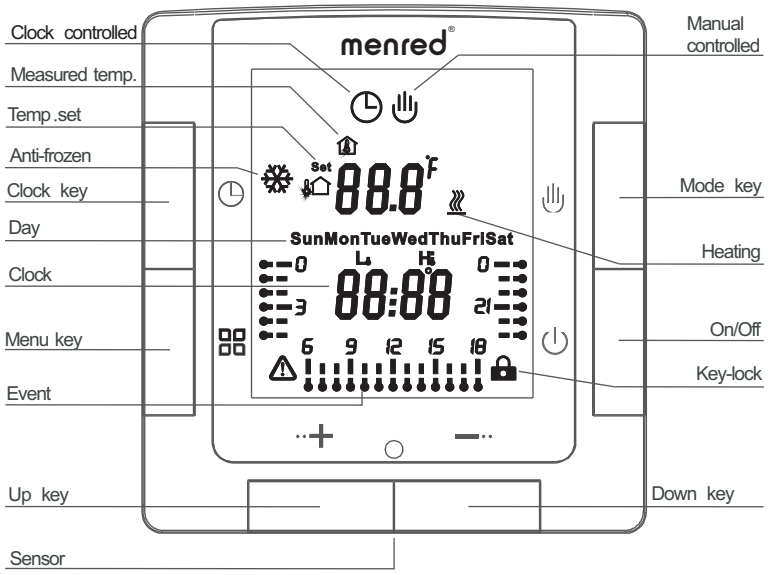
Wiring Diagram



LS6-BOX-6(2), address and Baud Rate setting:

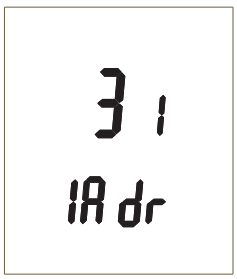
Application: In the system of centralized control center, each LS6-RC can set the address and Baud Rate of LS6-BOX-6(2)

LS6-RC Display Symbols:

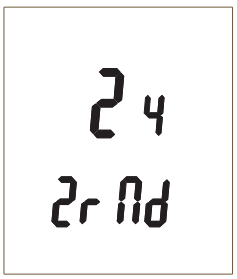


To check or modify the address and Baud rate setting:

Please switch off LS6-RC, then press time key and power on at the same time, the address and Baud rate of LS6-BOX-6(2) can be checked by menu key.



Address 31 view interface
Address setting range: 1-31



Baud rate 2400bit/s view interface
Baud rate setting range
1200 bit/s
2400 bit/s
4800 bit/s
9600 bit/s

On the setting interface of address or Baud rate, press menu key 5 seconds to enter the passwordsetting interface, the first digit will flash, setting the first digit by press up/down key, then press menu key shortly, next setting the second, third and fourth digit in the same way. After the password set correct, press menu key to switch back and forth between address and Baud rate,and modify them by up/down key, that modification interface is same to view interface. Presspower off key to save and exit. If the password is incorrect that will return back to power off interface. (Password: 3958)

Password interface

Communication protocols: (RS 485 communication, Modbus protocols)

1.Virtual Register

Address	Description
1	Box version number
2	Time BCD code
3	Day BCD code
4	The 1st loop power status, 0x0000 power on, 0x0001 power off
5	The 1st loop mode status, 0x0000 automatic, 0x0001 manual, 0x0002 temporary ,0x0003 locking
6	The 1st loop temperature setting hex code
7	The 1st loop Max. setting temperature(read-only) hex code
8	The 1st loop measured temperature (read-only) hex code
9	The 1st loop on-line status (read-only), 0x0000 off-line, 0x0001 on-line
10	The 1st loop heating/relay status (read-only), 0x0000 no heating /relay no absorption, 0x0001 no heating/relay absorption, 0x0010 heating/relay no absorption, 0x0011 heating/relay absorption
11	The 2rd loop power status, 0x0000 power on, 0x0001 power off
12	The 2rd mode status, 0x0000 automatic, 0x0001 manual, 0x0002 temporary ,0x0003 locking
13	The 2rd loop temperature setting hex code
14	The 2rd loop Max. setting temperature(read-only) hex code
15	The 2rd loop measured temperature (read-only) hex code
16	The 2rd loop on-line status (read-only), 0x0000 off-line, 0x0001 on-line
17	The 2rd loop heating/relay status (read-only), 0x0000 no heating /relay no absorption, 0x0001 no heating/relay absorption, 0x0010 heating/relay no absorption, 0x0011 heating/relay absorption
18	The 3rd loop power status, 0x0000 power on, 0x0001 power off
19	The 3rd loop mode status, 0x0000 automatic, 0x0001 manual, 0x0002 temporary ,0x0003 locking
20	The 3rd loop temperature setting hex code
21	The 3rd loop max. setting temperature(read-only) hex code
22	The 3rd loop measured temperature (read-only) hex code
23	The 3rd loop on-line status (read-only), 0x0000 off-line, 0x0001 on-line
24	The 3rd loop heating/relay status (read-only), 0x0000 no heating /relay no absorption, 0x0001 no heating/relay absorption, 0x0010 heating/relay no absorption, 0x0011 heating/relay absorption
25	The 4th loop power status, 0x0000 power on, 0x0001 power off
26	The 4th loop mode status, 0x0000 automatic, 0x0001 manual, 0x0002 temporary ,0x0003 locking
27	The 4th loop temperature setting hex code
28	The 4th loop Max. setting temperature(read-only) hex code
29	The 4th loop measured temperature (read-only) hex code
30	The 4th loop on-line status (read-only), 0x0000 off-line, 0x0001 on-line
31	The 4th loop heating/relay status (read-only), 0x0000 no heating /relay no absorption, 0x0001 no heating/relay absorption, 0x0010 heating/relay no absorption, 0x0011 heating/relay absorption
32	The 5th loop power status, 0x0000 power on, 0x0001 power off
33	The 5th loop mode status, 0x0000 automatic, 0x0001 manual, 0x0002 temporary ,0x0003 locking
34	The 5th loop temperature setting hex code
35	The 5th loop Max. setting temperature(read-only) hex code
36	The 5th loop measured temperature (read-only) hex code
37	The 5th loop on-line status (read-only), 0x0000 off-line, 0x0001 on-line
38	The 5th loop heating/relay status (read-only), 0x0000 no heating /relay no absorption, 0x0001 no heating/relay absorption, 0x0010 heating/relay no absorption, 0x0011 heating/relay absorption
39	The 6th loop power status, 0x0000 power on, 0x0001 power off
40	The 6th loop mode status, 0x0000 automatic, 0x0001 manual, 0x0002 temporary ,0x0003 locking
41	The 6th loop temperature setting hex code
42	The 6th loop max. setting temperature(read-only) hex code

Address	Description
43	The 6th loop measured temperature (read-only) hex code
44	The 6th loop on-line status (read-only), 0x0000 off-line, 0x0001 on-line
45	The 6th loop heating/relay status (read-only), 0x0000 no heating /relay no absorption, 0x0001 no heating/relay absorption, 0x0010 heating/relay no absorption, 0x0011 heating/relay absorption
46	The 7th loop power status, 0x0000 power on, 0x0001 power off
47	The 7th loop mode status, 0x0000 automatic, 0x0001 manual, 0x0002 temporary ,0x0003 locking
48	The 7th loop temperature setting hex code
49	The 7th loop max. setting temperature(read-only) hex code
50	The 7th loop measured temperature (read-only) hex code
51	The 7th loop on-line status (read-only), 0x0000 off-line, 0x0001 on-line
52	The 7th loop heating/relay status (read-only), 0x0000 no heating /relay no absorption, 0x0001 no heating/relay absorption, 0x0010 heating/relay no absorption, 0x0011 heating/relay absorption

2.Data frame format:

1.Remote---- LS6-Box

Format: Address + Function + D0…+CRC16_L+CRC16_H Fixed-length 8 byte

Function: 0x03 Read register function	0x06 Write register function
D0: High start address	D0: High register address
D1: Low start address	D1: Low register address
D2: High read length	D2: High data
D3: Low read length	D3: Low data

2.LS6-Box ---- Remote

Format: Address + Function + D0…+CRC16_L+CRC16_H

Function: 0x03 Read register function (return)	0x06 Write register function (return)
D0: Data length (byte)	D0: High register address
D1: High data	D1: Low register address
D2: Low data	D2: High data
	D3: Low data