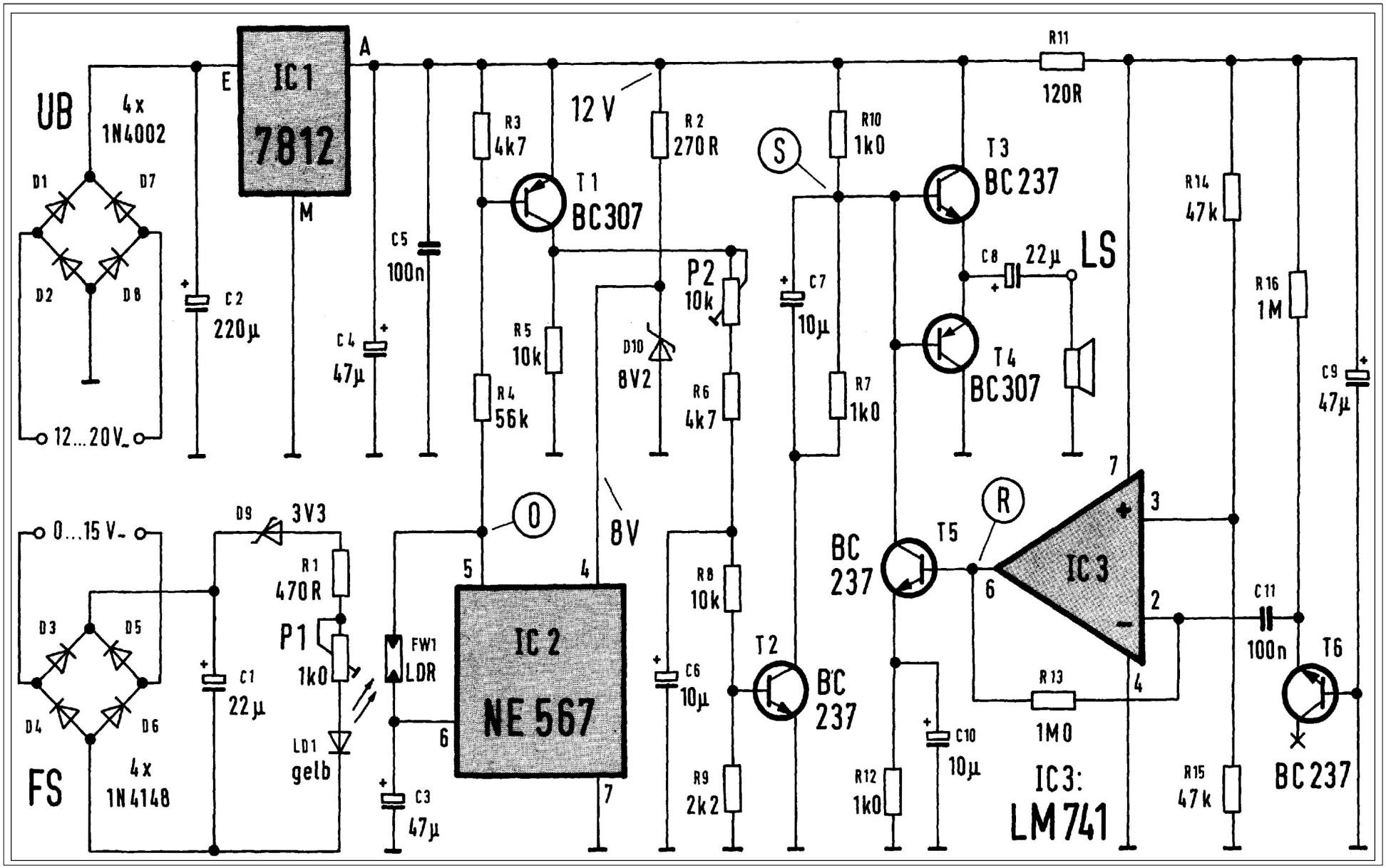
UB
4x
1N4002
D1
D7
D2
D8
12...20V~
E
IC1
7812
A
M
C2
220µ
C4
47µ
C5
100n
12 V
R3
4k7
T1
BC307
R4
56k
R5
10k
R2
270R
P2
10k
D10
8V2
R6
4k7
8V
R10
1k0
S
T3
BC237
R11
120R
C7
10µ
R7
1k0
T4
BC307
C8
22µ
LS
R14
47k
R16
1M
C9
47µ
0...15V~
D3
D5
D4
D6
FS
4x
1N4148
D9
3V3
R1
470R
P1
1k0
LD1
gelb
C1
22µ
FW1
LDR
O
5
4
IC2
NE567
6
7
C3
47µ
R8
10k
C6
10µ
T2
BC
237
R9
2k2
BC
237
T5
R
7
IC3
3
2
6
4
C11
100n
T6
R13
1M0
R12
1k0
C10
10µ
IC3:
LM741
R15
47k
BC237