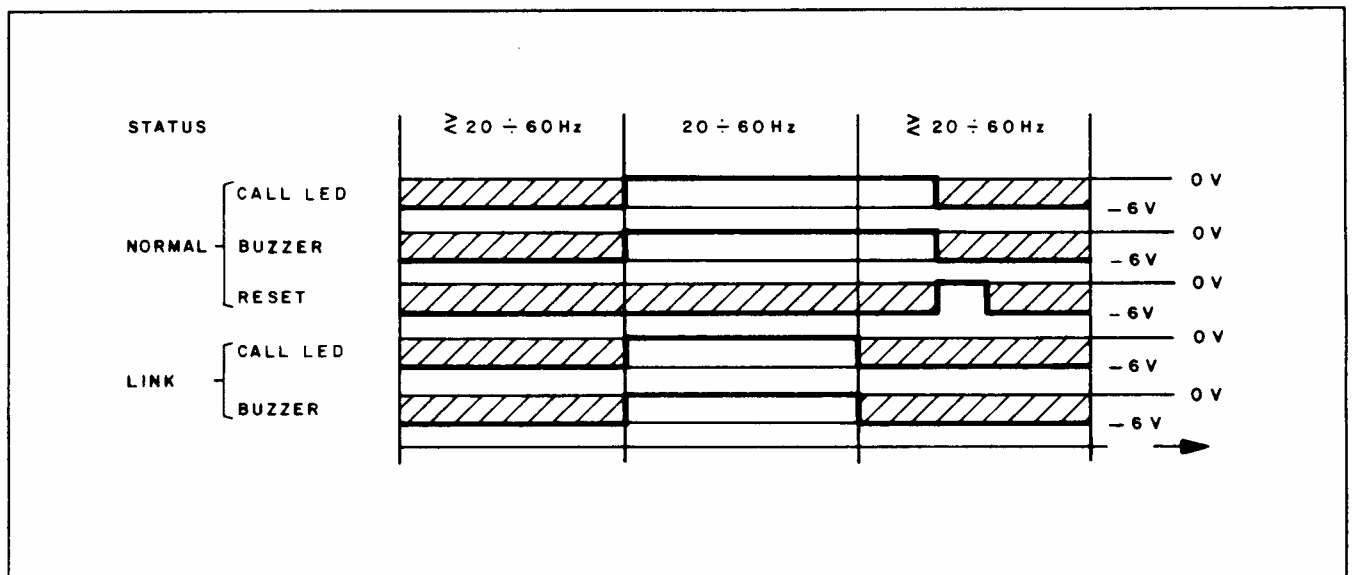
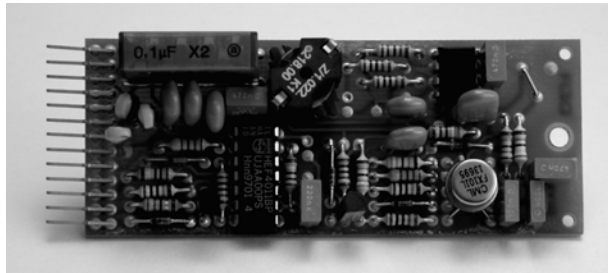


## Call Decoder 20...60 Hz

1.914.521

This assembly features a call receiver for the ringing frequency on telephone lines (20...60 Hz). The receiver can activate an optical and/or an acoustical signal generated by an external buzzer (not supplied). In normal mode the buzzer will be on until reset. In linked mode the signal lasts only as long as a call is detected.



## Technical Specifications

**Input:** balanced, floating; no DC

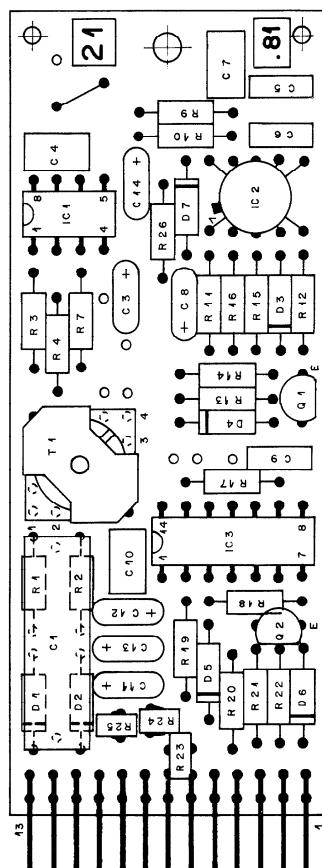
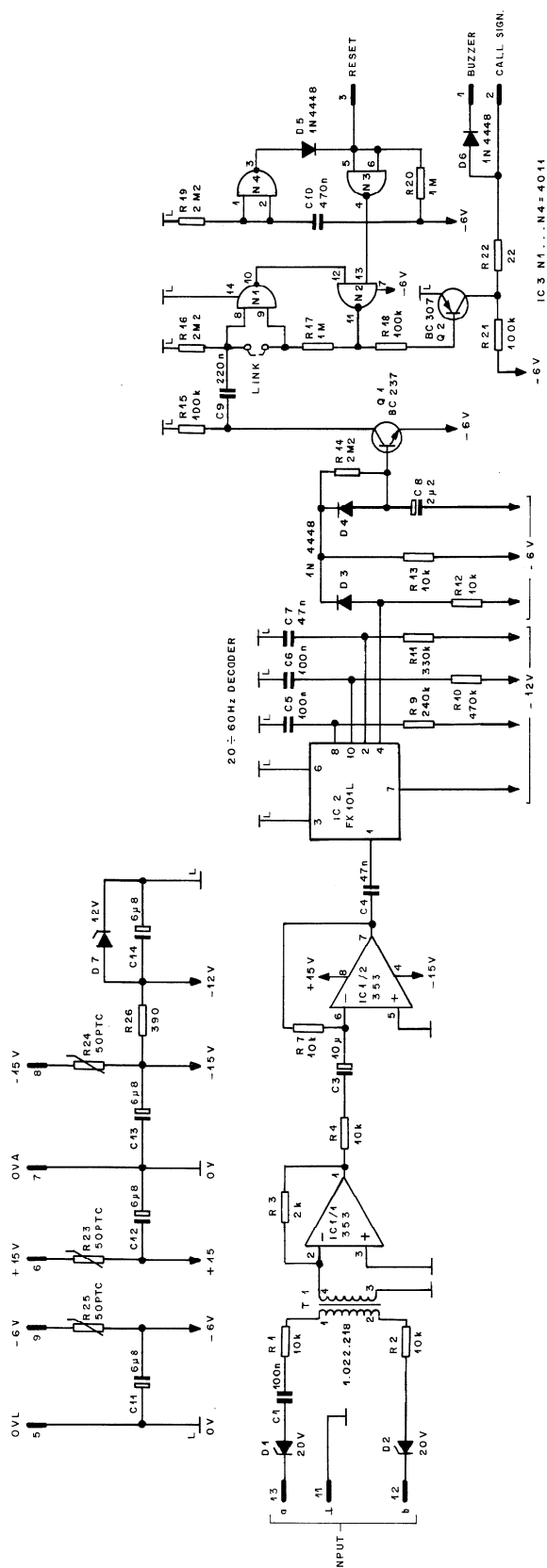
Impedance  $> 20 \text{ k}\Omega$   
Frequency 20...60 Hz  
Min. level  $17 \text{ V}_{\text{rms}}$   
Nominal level  $70 \text{ V}_{\text{rms}}$

**Supply:** +15 V (5 mA); -15 V (10 mA); -6 V (2 mA)

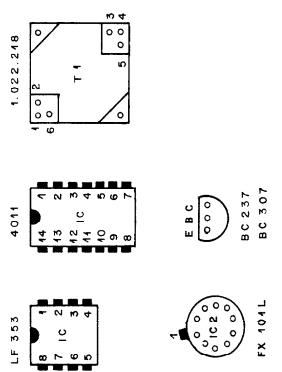
**Dimensions:** MS-card,  $34 \times 85 \text{ mm}$

**Ordering Information:** Call decoder 20...60 Hz

1.914.521.xx



CIS	PIN	EURO 32 PIN				
		(a)	(b)	(c)	(d)	(e)
INPUT a	43	1	2	3	27	
INPUT b	42	2	8	22	28	
⌋	41	3	9	23	29	
	10					
- 5V	9	44				
- 46 V	8	12				
OVA	7	45				
+15V	6	16				
OVL	5	19				
	4					
RESET	3	4	10	24	30	
CALL SIGN.	2	5	41	25	31	
BUZZER	1	6	13	25	32	



①	21.9.94	22	○	○	○	○
STUDER REGENSDORF ZÜRICH			20 ÷ 60 Hz DECODER (NR. 21)			1.914.521.00

## MSC CALL DECODER

Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER
C	1	59.99.0453	0,1µF 250V Rifa	MP
C	3	59.26.2100	10µF 16V	SAL
C	4	59.06.5474	0,47µF	PE
C	5	59.06.5104	0,1µF	PE
C	6	59.06.5104	0,1µF	PE
C	7	59.06.5474	0,47µF	PE
C	8	59.26.5229	2,2µF 25V	SAL
C	9	59.06.0224	0,22µF	PE
C	10	59.06.5474	0,47µF	PE
C	11	59.26.2689	6,8µF 16V	SAL
C	12	59.26.2689	6,8µF 16V	SAL
C	13	59.26.2689	6,8µF 16V	SAL
C	14	59.26.2689	6,8µF 16V	SAL
D	1	50.04.1109	20V 400mW Zener	
D	2	50.04.1109	20V 400mW Zener	
D	3	50.04.0125	1N4448	
D	4	50.04.0125	1N4448	
D	5	50.04.0125	1N4448	
D	6	50.04.0125	1N4448	
D	7	50.04.1117	12V 400mW Zener	
IC	1	50.09.0101	LF353N DIP 8	
IC	2	50.07.0032	FX101L	CML
① IC	3	50.07.1011	4011BPC DIL 14	
P		54.01.0273	13P CIS	
Q	1	50.03.0436	BC237B NPN	
Q	2	50.03.0515	BC307B PNP	
R	1	57.11.4103	10kΩ	
R	2	57.11.4103	10kΩ	
① R	3	57.11.3202	2kΩ	
R	4	57.11.4103	10kΩ	
R	7	57.11.4103	10kΩ	
② R	9	57.11.3244	240kΩ	
R	10	57.11.4474	470kΩ	
R	11	57.11.4334	330kΩ	
R	12	57.11.4103	10kΩ	
R	13	57.11.4103	10kΩ	
① R	14	57.11.5225	2,2MΩ	
R	15	57.11.4104	100kΩ	
① R	16	57.11.5225	2,2MΩ	
R	17	57.11.4105	1MΩ	
R	18	57.11.4104	100kΩ	
① R	19	57.11.5225	2,2MΩ	
R	20	57.11.4105	1MΩ	
R	21	57.11.4104	100kΩ	
R	22	57.11.4220	22Ω	
R	23	57.99.0206	50Ω PTC	2322 660 91008 Philips Typ YS 822 ITT PTH 60BD 470M 050 Murata
R	24	57.99.0206	50Ω PTC	
R	25	57.99.0206	50Ω PTC	
R	26	57.11.4391	390kΩ	
T	1	1.022.218.00	1:1	ST

PE=Polyester, SAL=Solid Aluminium

MANUFACTURER: CML=Consumer Microcircuit LTD, ST=Studer

1.914.521.00 20÷60HZ DECODER (Nr. 21) FRI 23/08/83

1.914.521.00 20÷60HZ DECODER (Nr. 21) ① FRI 01/09/83

1.914.521.00 20÷60HZ DECODER (Nr. 21) ② FRI 18/06/84

END  
→