

Sailor

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**INSTRUKTIONSBOG FOR
SAILOR H1227/H1228**

**INSTRUCTION BOOK FOR
SAILOR H1227/H1228**



A/S S. P. RADIO · AALBORG · DENMARK

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OPERATING INSTRUCTIONS FOR SAILOR TANDEM STATION WITH BUILT-IN
AUTOMATIC SWITCH SAILOR H1227, /OPERATING INSTRUCTIONS FOR SAILOR
SHORT WAVE STATION WITH SEPARATE AUTOMATIC SWITCH SAILOR H1228.

Following corrections to paragraph CONTROLS.

- ①9 RECEIVER ONLY not in function.
The receiver is switched on or off by the AF-GAIN ②2 .
- ②2 AF-GAIN
Controls the audio output.
Switches on or off the receiver.
- ②3 TELEX: Activate the button TELEX together with the button A3J ②5 .
The teleprinter is now connected via the SIMPLEX TOR equipment to
the receiver and transmitter.

The AUTOMATIC ON/OFF SWITCH will switch off the transmitter after
approx. 3 min. if there is no information from the SIMPLEX TOR e-
quipment.

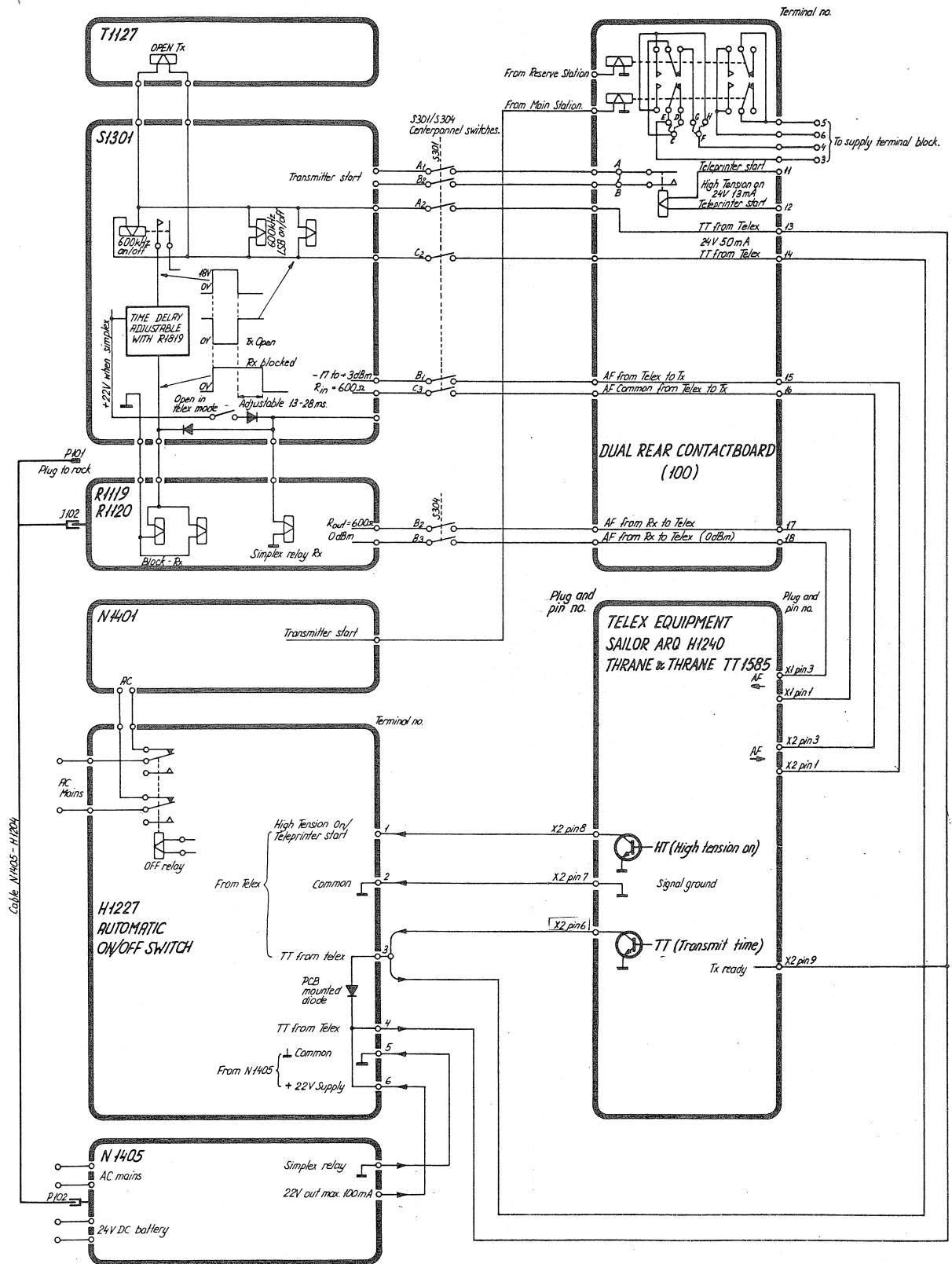
Following additions to paragraph OPERATING INSTRUCTIONS for TELEX.

TELEX

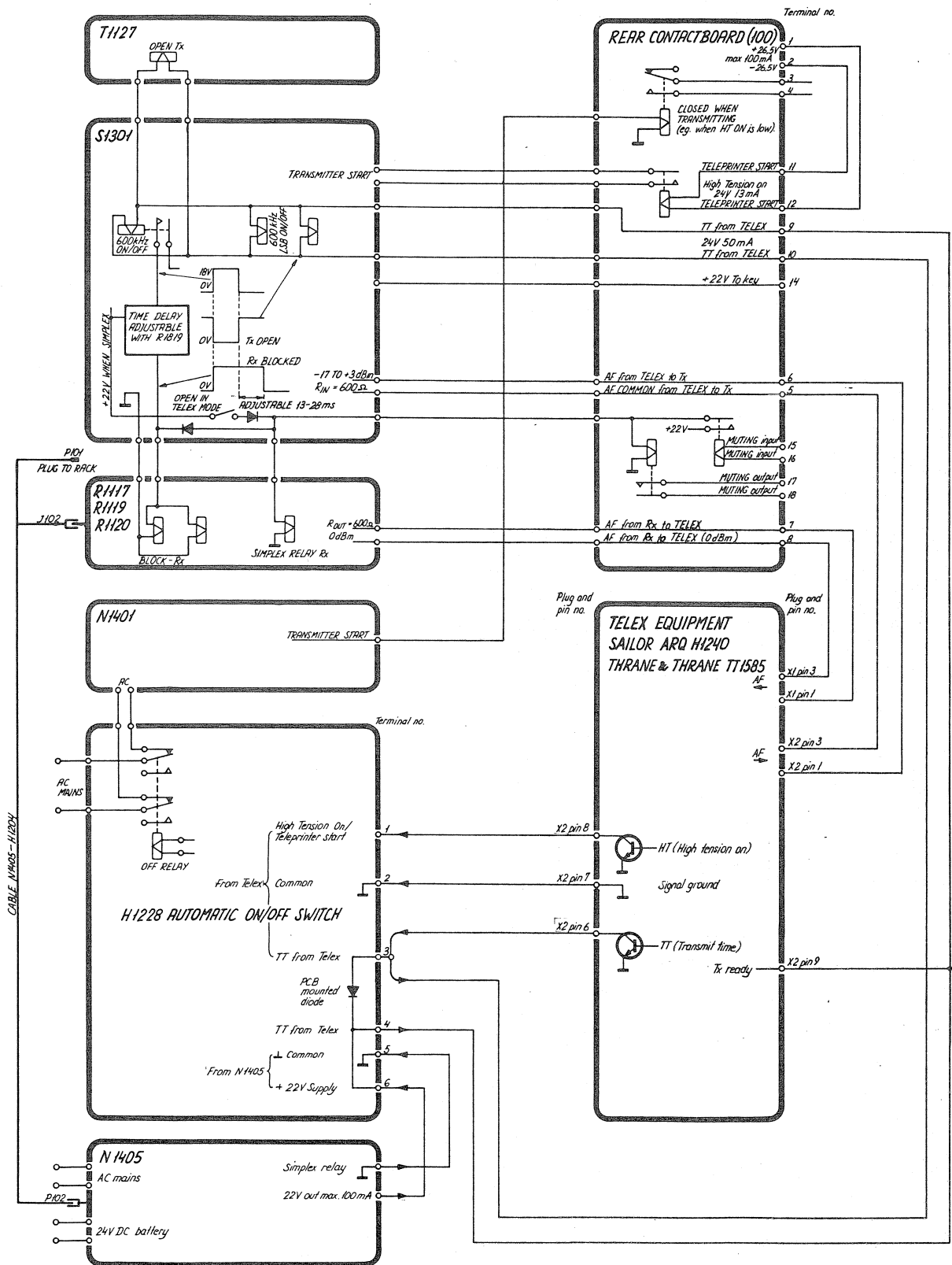
- 1
- 2
- 3
- 4
- 5 The transmitter will be switched off after 3 min. if there is no
information from the SIMPLEX TOR equipment.
- 6 When an ARQ call is received the transmitter will be in operation
after max. 30 secs.
- 7 The transmitter will be in operation after max. 30 secs if you wish
to send out a message.
- 8 The transmitter will be in operation after 30 secs if another trans-
mission mode is selected.

THIS PAGE MUST BE ADDED TO THE OPERATING INSTRUCTIONS IN QUESTION
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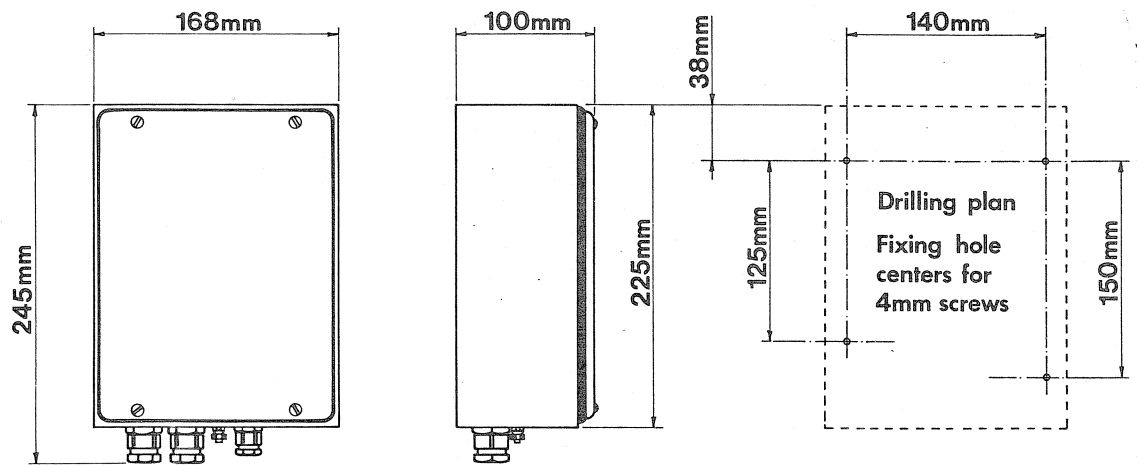
PRINCIPLE DESCRIPTION OF UNATTENDED TELEX TANDEM STATION



PRINCIPLE DESCRIPTION OF UNATTENDED TELEX MODE SINGLE STATION



DIMENSIONS FOR AUTOMATIC ON/OFF SWITCH H1228



PRINCIPLE OF OPERATION AUTOMATIC ON/OFF SWITCH H1227/H1228

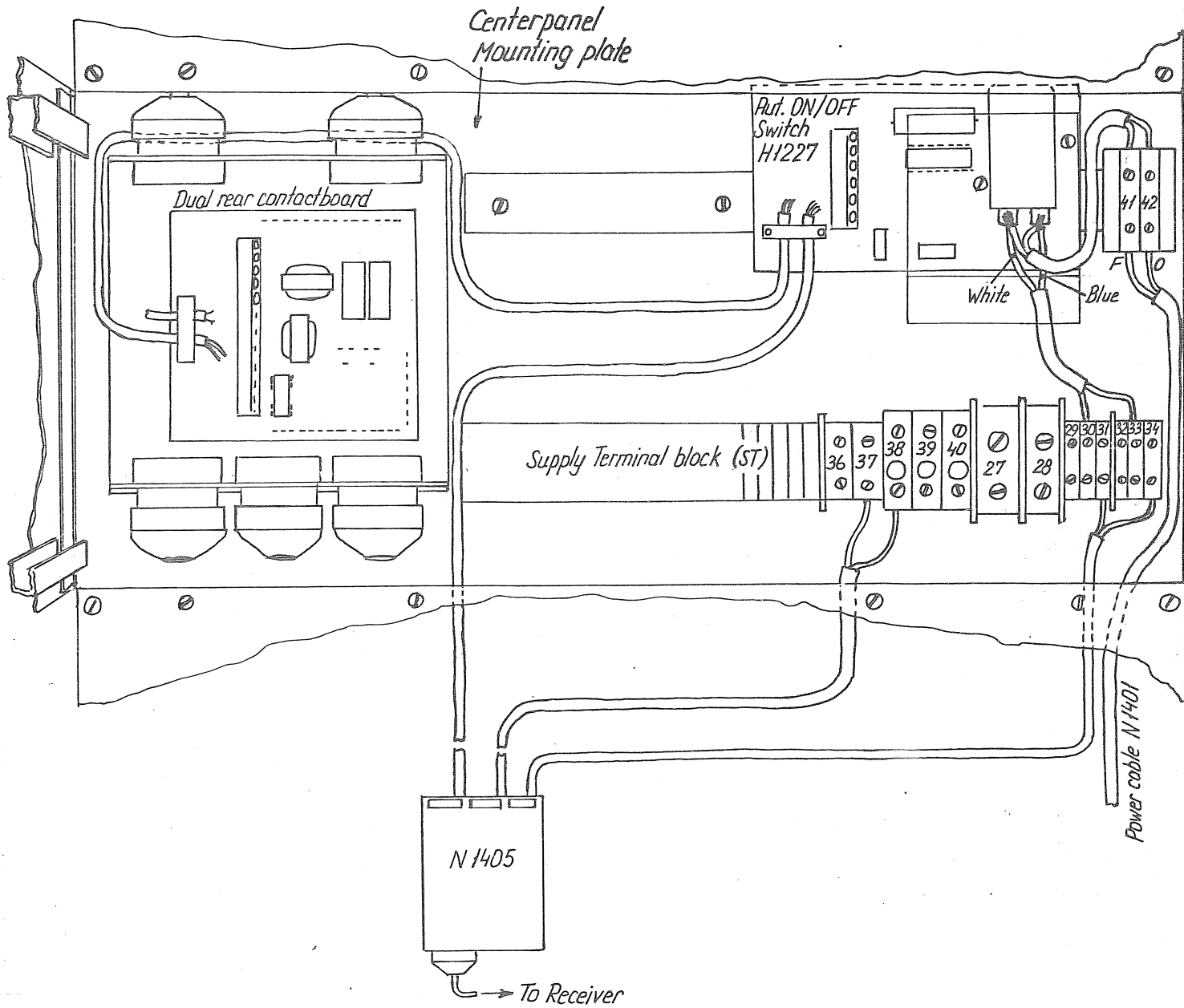
The AUTOMATIC ON/OFF SWITCH H1227/H1228 will switch off the transmitter after approx. 3 min. if the following conditions are:

1. A3J (5) and TELEX (23) are activated together.
2. HT-ON and TT-signal from SIMPLEX TOR equipment is high "1".

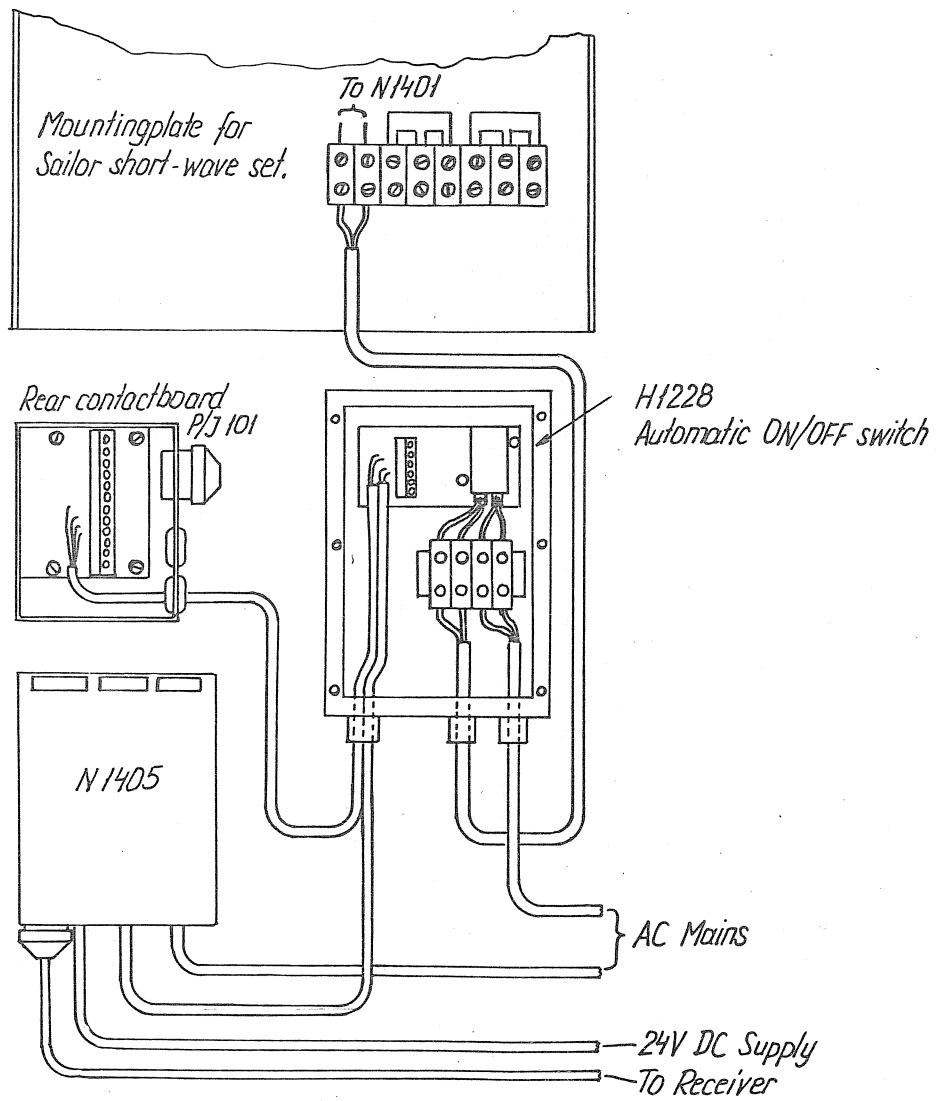
The AUTOMATIC ON/OFF SWITCH H1227/H1228 will switch on the transmitter and be in operation after approx. 30 secs if one of the following conditions is:

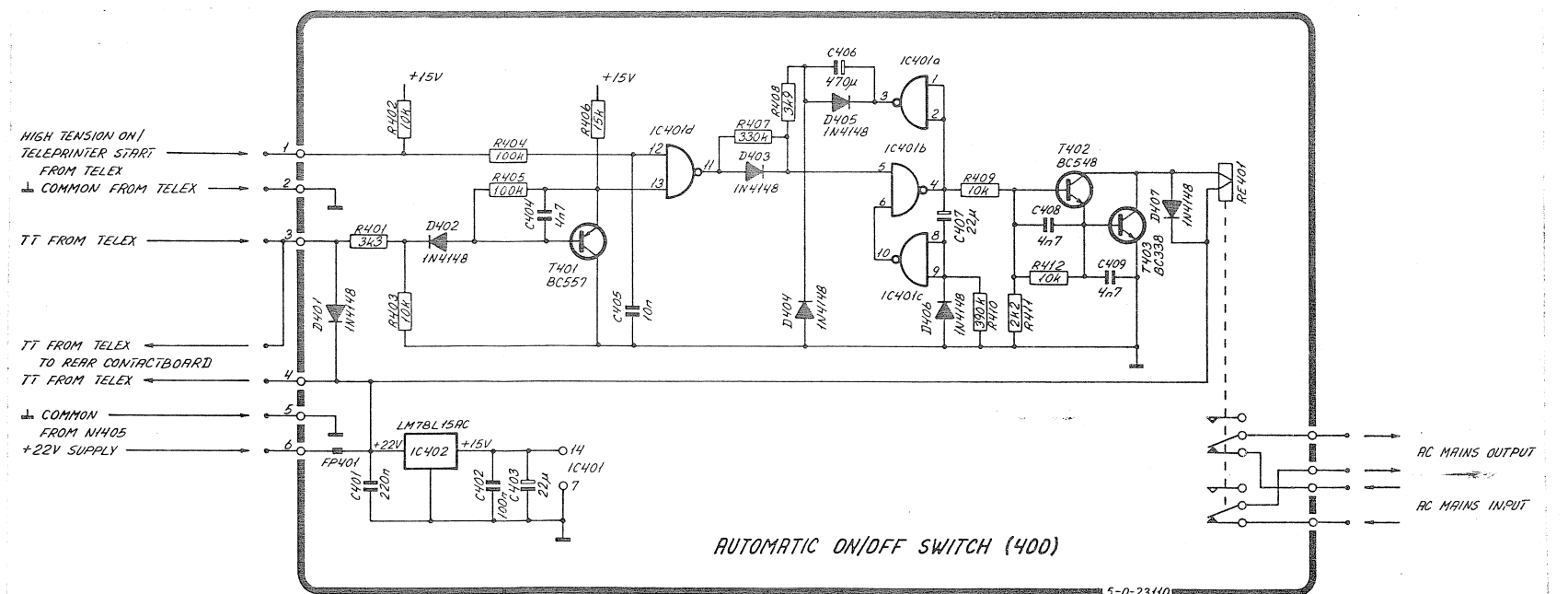
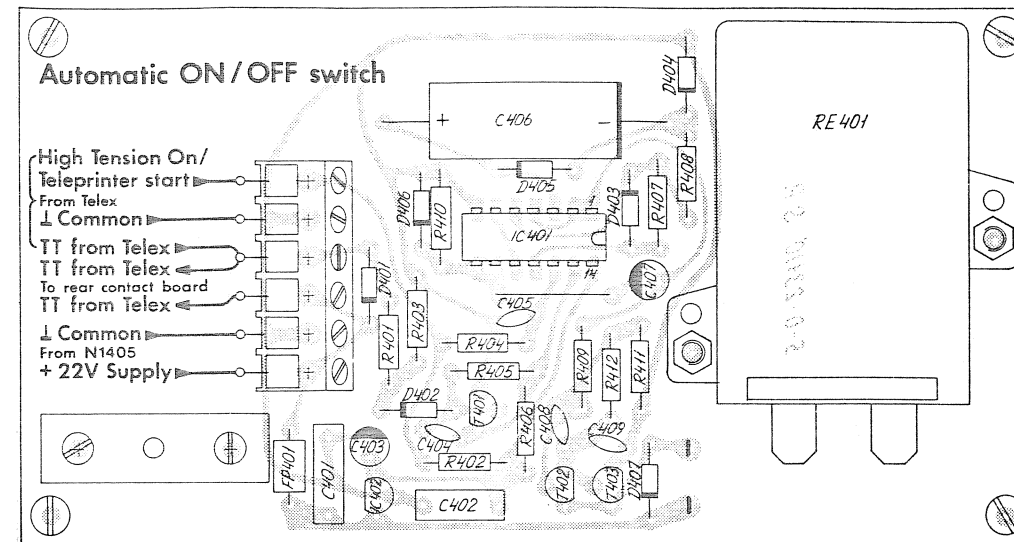
1. HT-ON become low "0".
2. TT-signal become low "0".
3. If another mode is selected on S1301.
4. If the receiver is switched off on the AF-GAIN button.

MOUNTING OF AUTOMATIC ON/OFF SWITCH H1227 (TANDEM STATION)



MOUNTING OF AUTOMATIC ON/OFF SWITCH H1228 (SINGLE STATION)





Symbol	Description	Manufact.	
R401	Resistor 3.3kohm $\pm 5\%$	Philips	0.33W 2322 211 13332
R402	Resistor 10kohm $\pm 5\%$	Philips	0.33W 2322 211 13103
R403	Resistor 10kohm $\pm 5\%$	Philips	0.33W 2322 211 13103
R404	Resistor 100kohm $\pm 5\%$	Philips	0.33W 2322 211 13104
R405	Resistor 100kohm $\pm 5\%$	Philips	0.33W 2322 211 13104
R406	Resistor 15kohm $\pm 5\%$	Philips	0.33W 2322 211 13153
R407	Resistor 330kohm $\pm 5\%$	Philips	0.33W 2322 211 13334
R408	Resistor 3.9kohm $\pm 5\%$	Philips	0.33W 2322 211 13392
R409	Resistor 10kohm $\pm 5\%$	Philips	0.33W 2322 211 13103
R410	Resistor 390kohm $\pm 5\%$	Philips	0.33W 2322 211 13394
R411	Resistor 2.2kohm $\pm 5\%$	Philips	0.33W 2322 211 13222
R412	Resistor 10kohm $\pm 5\%$	Philips	0.33W 2322 211 13103
C401	Capacitor polyester 220 nF/100V	Philips	2222 344 24224
C402	Capacitor polyester 100 nF/100V	Philips	2222 344 24104
C403	Capacitor electrolytic 22 uF/25V	ROE	EKI 00AA 222E
C404	Capacitor ceramic 4.7 nF	KCK	HE-80SJ-YD-472M
C405	Capacitor ceramic 10 nF	KCK	HE-70SJ-YF-103Z
C406	Capacitor electrolytic 470 uF/16V $-10/+50\%$	Siemens	B41588-D4477-T
C407	Capacitor electrolytic 22 uF/25V	ROE	EKI 00AA 222E
C408	Capacitor ceramic 4.7 nF	KCK	HE-80SJ-YD-472M
C409	Capacitor ceramic 4.7 nF	KCK	HE-80SJ-YD-472M
D401	Diode silicon	Philips	1N4148
D402	Diode silicon	Philips	1N4148
D403	Diode silicon	Philips	1N4148
D404	Diode silicon	Philips	1N4148
D405	Diode silicon	Philips	1N4148
D406	Diode silicon	Philips	1N4148
D407	Diode silicon	Philips	1N4148
T401	Transistor	Philips	BC557
T402	Transistor	Philips	BC548
T403	Transistor	Philips	BC338-25
IC401	Integrated circuit	Motorola	MC14011
IC402	Voltage regulator	National	15V LM78L15AC
RE401	Relay	Siemens	V23009 A007 A052
FP401	Ferrite bead	Kaschke	K3/1200/0.1Hz/4/2/7A