

kannad aviation

Emergency Locator Transmitters

Orolia S.A.S - A Company of the Orolia Group

DMA00514E

Ref: 0122145

INSTALLATION MANUAL USER MANUAL



REMOTE CONTROL PANELS RC200 / RC200 NVG

P/N : S1820513-11 / S1820513-14

D. Acceptance test procedure

Perform an RCP test ([Refer to D. RCP operational tests, page 15](#)).

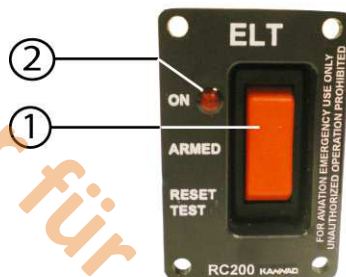
5. Working mode

A. Controls

The following elements are to be found on the RC200 remote control panels:

1. a 3-position switch (ON, ARMED, RESET & TEST);
2. a red visual indicator.

Figure 8: RCP controls



The visual indicator gives an indication on the working mode of the beacon:

- After the self-test:
 - one long flash indicates that the system is operational and that no error were found;
 - a series of short flash indicates the test has failed.
- In operation mode:
 - periodic flashes during homer transmissions;
 - long flash during 406 transmission.

B. Working mode information

The RC200 remote control panels enable remote control and remote monitoring of the KANNAD ELTs **provided that the ELT switch is in armed position.**

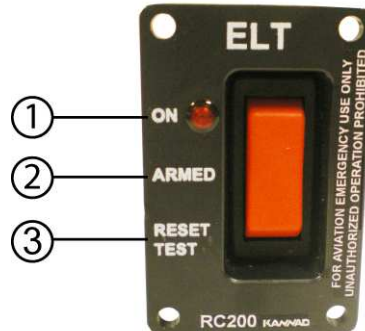
(1) Remote control

Remote control is done through a 3-position switch:

1. ON (transmission) enables manual activation of the ELT;
2. ARMED (stand by mode to enable automatic activation by the shock sensor of ELT) is an idle position. Unless there is an emergency, the switch must stay in this position.

3. RESET & TEST is used either to stop the ELT transmission if activated or to perform a self-test.

Figure 9: 3-position switch



As required by regulations, the OFF mode is not available on the remote control panel (RTCA DO 204 § 2.2.6.c, EUROCAE ED 62 § 2.5.1.1) but directly on the ELT itself by switching it in OFF position.

Important notice: TEST/RESET (downwards) is a momentary position.

Refer to operation manuals of the ELTs for precise information on these modes.

(2) *Monitoring*

Monitoring is done through a visual indicator ([Refer to Figure 8: RCP controls, page 11](#)) operating in the same way than those of the ELT:

Transmission:

- 1 short flash every 0.5 or 0.7 seconds during homer transmission;
- 1 long flash during ELT transmission on 406 MHz.

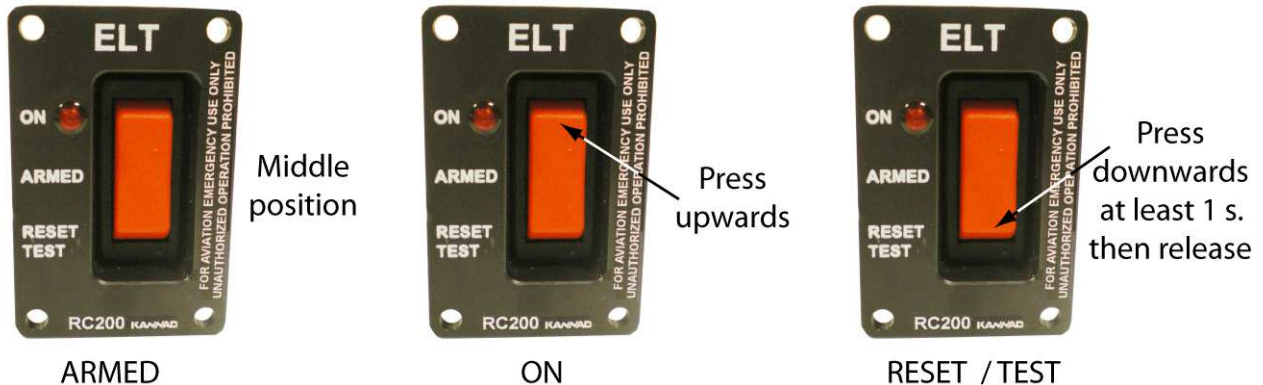
Self-test:

([Refer to C. RESET & TEST, page 13](#)).

Refer to operation manuals of the ELTs for precise information on these modes.

6. Operation

Figure 10: Operating modes



A. Stand by mode

The stand by mode is the ARMED position (idle position). The switch is in the middle position.

This mode is used to enable automatic activation by the shock sensor of the ELT **provided that the ELT switch is in armed position**. Unless there is an emergency, the switch must stay in this position.

B. ON mode

This mode is used to activate manually the ELT. When this mode is selected, the ELT transmission is activated.

- Press the switch upwards.
 - A self test is first performed ([Refer to C. RESET & TEST, page 13](#)).
- After the self-test (max. duration 15 seconds), the ELT starts to transmit:
 - The visual indicator is flashing in the same way than those of the ELT;
 - The buzzer of the ELT (and outside buzzer if connected) is activated.

C. RESET & TEST

This mode is used either to perform a self-test or to stop the ELT transmission if activated.

(1) Self test

IMPORTANT: Do not perform self-test without the antenna connected.

Self-test must be performed regularly by a pilot or maintenance personnel from the Remote Control Panel but should not be done more often than specified in ELT user manual.

However, each self-test consumes energy from the battery. Should self-tests be carried out more often than the maximum allowed, the battery life-time of the ELT might be shorter than specified.

Press the switch downwards for at least 1 second then release it (the switch comes back in ARMED position):

The visual indicator is flashing as follows:

- one short flash at the beginning of the self-test sequence

After a few seconds, the test result is displayed with the visual indicator as follows:

- one long flash indicates the system is operational and that no error conditions were found;
- a series of short flashes indicates the test has failed:

Refer to the ELT manual.

(2) RESET

This mode is used to stop the ELT when activated.

If the ELT is activated, the visual indicator of RCP is flashing in the same way than the one of the ELT:

- Press the switch downwards for at least 1 second then release it (the switch comes back in ARMED position):
- The visual indicator is OFF.

Important notice: On ELTs P/N S182X502-XX, if a RESET is performed from RCP with the ELT manually activated (ON position on the front panel of the ELT), the ELT transmission will stop for max. 50 seconds then start again.

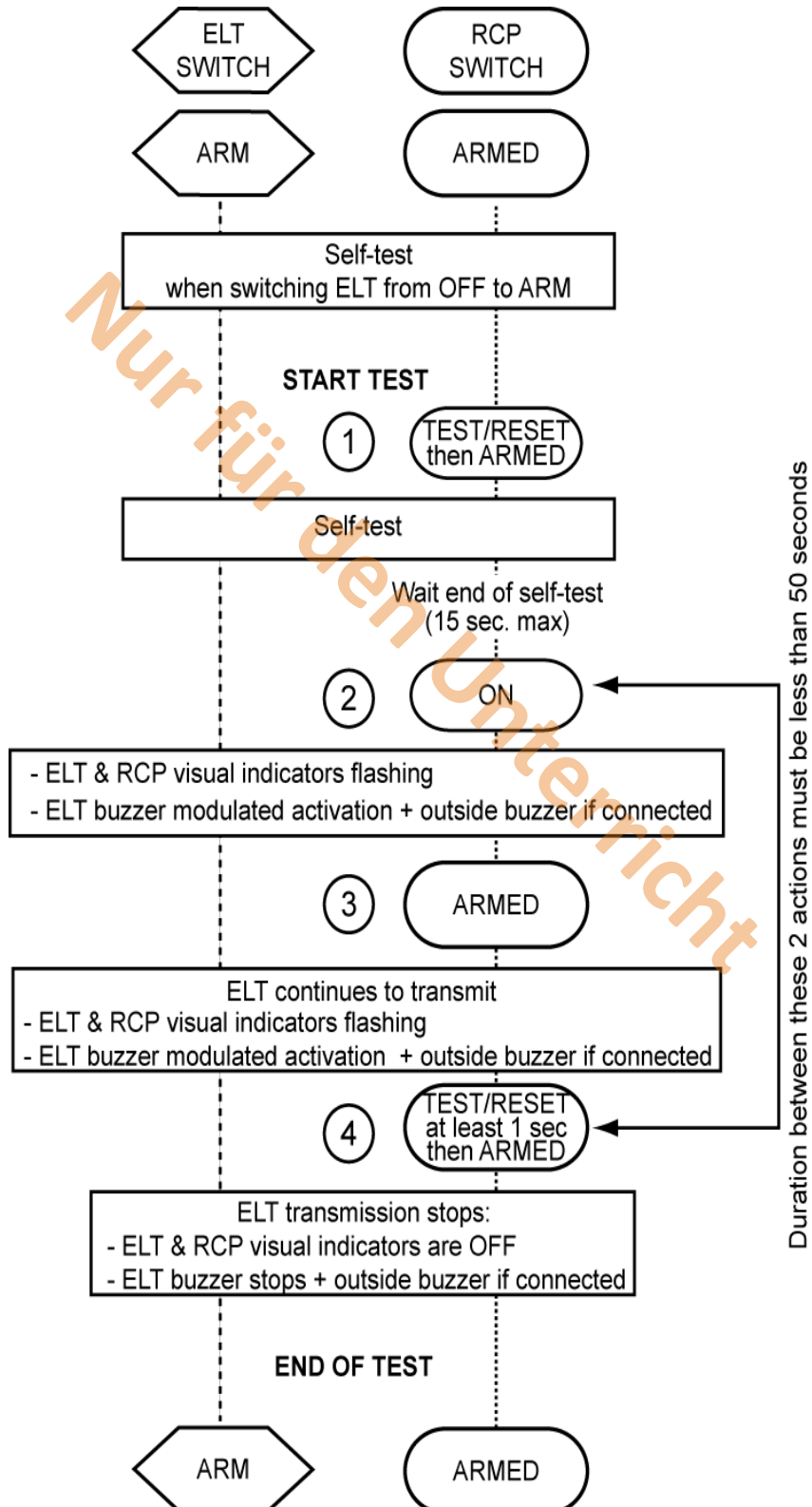
In this case, on the RCP:

- **The led is off for max. 50 seconds then flash again.**

D. RCP operational tests

Check correct operation of RCP visual indicator by switching ELT and RCP as described in the following sequential procedure, [Figure 11: RCP visual indicator operation](#) (with ELT switch in the «ARM» position).

Figure 11: RCP visual indicator operation



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