

FOR INSERTION IN
DIGITAL TREATMENT TIMER OPERATOR'S MANUAL
EDITION 2, JANUARY 1980

OPERATOR'S MANUAL
FOR
COBALT TELETHERAPY
DIGITAL TREATMENT TIMER
MODEL A102409-654

PRODUCT NUMBERS

G22-281
G7200

EDITION 3, OCTOBER 1981

AECL STOCK NO. 2M001932



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RECORD OF REVISIONS

EDITION NO.	ISSUE DATE	PAGE NO.
NOTE		
The portion of the text affected by the changes is indicated by a vertical line in the outer margins of the pages.		
1	November 1979	Original Issue
2	January 1980	3-2,3-3
3	October 1981	3-1,3-2,3-3

SECTION 3
MAINTENANCE PROCEDURES

3.1 ROUTINE MAINTENANCE

Except for four backup batteries, the timer contains no licensee serviceable parts. The licensee may replace the backup batteries unless otherwise specified by the competent authority.

3.1.1 Battery Replacement

The backup batteries are critical components which, due to loss of their effectiveness with time, may limit the timer's ability to retain information during a power failure.

Backup batteries (G.E. XKCF 450 ST or K01A111AA GT3) must be replaced every six months, as follows:

A. For a timer installed in the therapy unit console:

- (1) Turn power off at main isolating switch.
- (2) Remove console cover.
- (3) Withdraw printed circuit board and remove batteries.
- (4) Fit new batteries, making sure that polarity is correct, as marked on battery holder.
- (5) Replace printed circuit board in timer.

WARNING

ENSURE THAT BATTERY PCB IS FULLY INSERTED INTO ITS SOCKET. THE TOP OF THE PCB WILL BE LEVEL WITH OR BELOW THE TOP OF ITS GUIDE RAILS WHEN PROPERLY INSTALLED.

IF THE PCB IS NOT PROPERLY INSTALLED, THE TIMER MAY NOT OPERATE AND UNWANTED RADIATION MAY BE DELIVERED TO PERSONNEL.

- (6) Replace console cover.
- (7) Switch power on at main isolating switch.
- (8) When display decimal points stop flashing, perform routine test described in Section 2.7.

B. For a timer in a stand-alone console:

- (1) Turn power off at main isolating switch.
- (2) Withdraw printed circuit board and remove batteries.
- (3) Fit new batteries, making sure that polarity is correct, as marked on battery holder.
- (4) Replace printed circuit board in timer.

WARNING

ENSURE THAT BATTERY PCB IS FULLY INSERTED INTO ITS SOCKET. THE TOP OF THE PCB WILL BE LEVEL WITH OR BELOW THE TOP OF ITS GUIDE RAILS WHEN PROPERLY INSTALLED.

IF THE PCB IS NOT PROPERLY INSTALLED, THE TIMER MAY NOT OPERATE AND UNWANTED RADIATION MAY BE DELIVERED TO PERSONNEL.

- (5) Switch power on at main isolating switch.
- (6) When display decimal points stop flashing, perform routine test described in Section 2.7.