

# Kodak

## How to install the 'INDUSTREX' X-RAY ILLUMINATOR Model 2

### FOR USE ON A.C. MAINS ONLY

#### Electrical Connection

The KODAK 'Industrex' X-ray Illuminator, Model 2, should be connected to the electricity supply by a qualified electrician; installation should be in accordance with local regulations.

Unless otherwise stated on the voltage reference plate or outer packing, this illuminator is suitable for 200-250V, 50 Hz a.c. mains only. If the supply is within the range 240-250V no adjustment is necessary. For voltages other than 240-250V it must be adjusted as follows. With the illuminator disconnected from the electricity supply, remove the detachable panel at the rear and ensure that the brown wires to each of the three chokes are connected to the appropriate tapplings to suit the mains voltage.

The supply installation should incorporate a third wire earth connection. The 3-wire flexible lead fitted embodies brown and blue supply wires, and a yellow/green wire marked EARTH. Connect the BROWN wire to the LIVE line of an a.c. supply. Connect the BLUE wire to the NEUTRAL line of an a.c. supply. Connect the YELLOW/GREEN wire to the earthed point.

If the electricity supply does not incorporate a third-wire earth connection, consult a competent electrician. NEVER connect the EARTH wire to either of the supply terminals.

The switch at the rear of the illuminator controls the fluorescent tube circuit but does not control the three-pin socket, which remains live while the illuminator is connected to the mains. This socket is for connecting additional illuminators or accessories; it must NOT be used for plugging in a footswitch.

*(continued overleaf)*

## Viewing Radiographs

Dry radiographs can be conveniently viewed by slipping the top edge of the film into the metal channel provided, where spring-loaded stainless-steel balls will hold them in place.

Three independently adjustable masks allow the illuminated area to be masked down from  $14 \times 17$  inches to about  $2 \times 2$  inches. The vertical mask is operated by sliding the black knob on the right of the viewing screen to the position required and locking it in place by turning the knob clockwise. The two masks which move horizontally are adjusted by the pair of black knobs below the screen.

## Maintenance

Very little maintenance is necessary, other than cleaning and the occasional replacement of fluorescent tubes.

Should the plastic screen become soiled, it can easily be cleaned. Wash in warm soapy water, then polish with a soft dry cloth. To reduce the amount of dust which may gather on the plastic viewing screen due to the static-charge effect, use an anti-static polish. This treatment is effective in reducing dust collection for a period of about two months, depending on local conditions.

Never use abrasives for cleaning purposes.

To replace a faulty fluorescent tube, disconnect the illuminator from the electrical supply, rotate the tube through  $90^\circ$  and pull gently forward. Once the tube is free of its sockets it can be removed altogether by tilting it diagonally. When re-assembling, make sure that both ends of the tube are in the sockets before rotating the tube to lock it in position. Never employ force; damage to the electrical connections may result.

*Note:* Use only 15-watt 1-inch diameter Atlas 18 in. Tropical Daylight tubes.

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