SUNPAK®
Electronic Flash Accessory
REMOTE SENSOR
RS-005

FOR SUNPAK AUTO 522
ELECTRONIC FLASH

OWNER’S MANUAL

SUNPAK DIVISION
BERKEY MARKETING COMPANIES
WOODSIDE N.Y. 11377
Made and Printed in Japan

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Introduction:

Your Sunpak Remote Sensor RS-005 is designed for use with your Sunpak Auto 522 Thyristor and has unique features that provide many picture taking benefits, such as a wide range of auto apertures, legible illuminated indicators, and dual angle sensing for normal and telephoto photography. Because many of the fine features of your Remote Sensor (RS-005) are so unique, please take a few minutes to read this owner’s manual carefully.

(1) Description of Parts

1. Auto Exposure Control Dial
2. Auxiliary Mounting Foot
3. Film Speed Index
4. Film Speed Window
5. Film Speed Knob
6. Auto Distance Scale
7. Auto Aperture Number
8. Dual Index for Auto Aperture and Auto Effective Distance
9. Sensor Angle Selector
   - Normal 15° . . . . . . . Average Reading
   - Telephoto 8° . . . . . . . Central Reading
10. Auto Sensor Eye
11. Sensor Connector
12. Connector Lock Ring
13. ‘ready’ Indicator
14. ‘auto mode’ Indicator
15. ‘auto OK’ Indicator
16. Test (Open Flash) Button
17. Knurled Lock Ring
18. Hot Shoe Contact
19. Jack/PC Cord Socket
1. Mount your Remote Sensor to your camera's accessory shoe. Turn the Knurled Lock Ring clockwise as illustrated (2) until it is secured. Do not over-tighten.

2. Align each white index on the Sensor Connector and on the Connector Lock Ring as illustrated (3), then connect the Sensor Cord to your Auto 522 Thyristor at the angle as illustrated (4).

3. Turn the Connector Lock Ring as illustrated (5) to lock the Sensor Connector.
   Note: For detaching the cord, reverse the Locking Ring.

* If your camera has no hot shoe, use the Flash Synchro Cord supplied with your Auto 522 Thyristor.
  A. Insert the male end of the Synchro Cord into the Jack Socket on the base of your Remote Sensor.
  B. Connect the Synchro Cord Tip to the flash synchro socket on your camera. (usually marked "X") (6-7)

* For cameras having accessory shoes on the side of the body, use the Auxiliary Mounting Foot. In this case, connect the Synchro cord to your Remote Sensor and your camera.
  * In case of your camera has no "Accessory Shoe", use an optional Sunpak Bracket Extender (#651-759) (8-10)
(2) Mounting For Use

1. Mount your Remote Sensor to your camera's accessory shoe. Turn the Knurled Lock Ring clockwise as illustrated (2) until it is secured. Do not over-tighten.

2. Align each white index on the Sensor Connector and on the Connector Lock Ring as illustrated (3), then connect the Sensor Cord to your Auto 522 Thyristor at the angle as illustrated (4).

3. Turn the Connector Lock Ring as illustrated (5) to lock the Sensor Connector.

Note: For detaching the cord, reverse the Locking Ring.

* If your camera has no hot shoe, use the Flash Synchro Cord supplied with your Auto 522 Thyristor.
   A. Insert the male end of the Synchro Cord into the Jack Socket on the base of your Remote Sensor.
   B. Connect the Synchro Cord Tip to the flash synchro socket on your camera. (usually marked "X") (6-7)

* For cameras having accessory shoes on the side of the body, use the Auxiliary Mounting Foot. In this case, connect the Synchro cord to your Remote Sensor and your camera.

* In case of your camera has no "Accessory-Shoe", use an optional Sunpak Bracket Extender (#651-759) (8-10)

SPECIFICATIONS:

For use with Sunpak Auto 522 Electronic Flash Unit.
Auto f/stop: Continuous 8 f/stop ranges from f/2 - f/22 for ASA100 film.
Auto Distance Range (with ASA 100 film):

<table>
<thead>
<tr>
<th>Maximum Aperture</th>
<th>Minimum Aperture</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASA 100 film</td>
<td>2</td>
</tr>
</tbody>
</table>

Sensor Acceptance Angle:
15° ........ (N) position
8° ........... (T) position

Dimensions: 2.6" x 2.4" x 3.4"
Weight: 5.6 oz.

All specifications subject to change without notice.
### Operation of Control Signals when using the Auto 522 Thyristor with the RS-005

<table>
<thead>
<tr>
<th>Mode</th>
<th>Auto 522 Thyristor</th>
<th>Remote Sensor RS-005</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auto mode</td>
<td><img src="image" alt="Diagram of Auto mode" /></td>
<td><img src="image" alt="Diagram of Auto mode" /></td>
</tr>
<tr>
<td>Manual mode</td>
<td><img src="image" alt="Diagram of Manual mode" /></td>
<td><img src="image" alt="Diagram of Manual mode" /></td>
</tr>
</tbody>
</table>

**Auto mode**
- `ready/test*`: Pulsates at full power
- `auto OK`: Illuminates for about a second within auto range

**Manual mode**
- `ready/test*`: Pulsates at full power
- MD Mode Indicator: Glows at 1/32 power or 1/64 power
- `ready*`: Pulsates at full power

*Note: These signals will not pulsate when using the outlet power sources.*

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**Cat. No. 651–787**

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7909K5000A
Automatic Operation

1. Rotate the Film Speed knob until the ASA of the film in use is visible in the Film Speed Window. (Illustration 11-1: Example, ASA100).

2. Rotate the Auto Exposure Control Dial until the white index shows the desired lens aperture. For example, with ASA100 film, apertures from f/2 to f/22 can be selected. Your Remote Sensor offers a continuously variable selection of apertures over an 8 f/stop range in 1/3 f/stop settings which permits you to use intermediate lens openings.

3. The Dual Index for Auto Aperture selection and Auto Operating Distance is easy to read. Example: Maximum distance for correct automatic exposure is 30' at f/4 with ASA100 film (Illustration 11-2). Note: The minimum distance for correct automatic exposure is 19’ regardless of the lens opening in use.

4. Set your camera lens and remote sensor to the same aperture.

5. Set the On/Off switch of your Auto 522 Thyristor to the appropriate position for the power source in use, and set the Mode Selector Switch to the ‘auto position’. The ‘auto mode’ indicator light on your Remote Sensor will glow. After a few seconds the ‘ready’ light indicator on the remote sensor will start to glow (12).

6. In a few more seconds the ‘ready’ light indicator will start to blink confirming that your Auto 522 is ready to fire at full power. Now take the picture! Note: When using the outlet power sources the ‘ready’ light will not blink.

* To verify correct automatic exposure, aim your Remote Sensor and flash directly at your subject and press the Test Button either on your Remote Sensor or the Auto 522 Flash. If the automatic exposure is correct, the ‘auto ok’ indicator will glow for a second (13). If the ‘auto ok’ indicator does not glow, choose a wider lens opening or move closer to your subject, and repeat the auto verification test. Note: The Auto Exposure Control Dial on your flash unit is disengaged when the Remote Sensor is in use.

Sensor Angle Selection

Your Remote Sensor RS-005 has a Dual Angle of acceptance. N(15°) and T(8°) for auto mode (14). At the normal setting (N) the sensor reads 15° and at the tele setting (T) it reads 8°.

- Set the Angle Selector to the N position for regular use including bounce photography and for use with the Diffusion Filters (optional).
- Set the Angle Selector to the T position when the subject occupies only a small portion of the frame, or if the background is very dark or very light, or use with the Sunpak Zoom Tele-Kit (optional).

Manual Operation

1. Set the Mode Selector Switch to the ‘M/PR/MG’ position. On your Remote Sensor only the ‘ready’ light indicator will glow. On your Auto 522 the Ready/Test Button will glow along with the MD mode indicator light when the Power Ratio Dial is set at the 1/32nd or 1/64th power position. (15-16).

2. Open flash operation is possible from both your Remote Sensor and Auto 522.

3. Determine the proper exposure from the F/stop Exposure Calculator Dial on the Auto 522.