No. 1531 AUTO-SCANNER WITH REMOTE CONTROL

1. The Ademco No. 1531 Auto-Scanner has been designed to operate indoors with cameras weighing up to 20 pounds. It may be directly mounted to a ceiling or other flat surface capable of supporting the combined unit and camera weight, or wall-mounted utilizing the Ademco No. 1532 mounting bracket.

2. When mounting directly to the surface or with the No. 1532 bracket, use four No. 10 screws to fasten securely. A template is provided on the reverse for your assistance. Bolts for fastening the unit to the bracket are provided with the bracket.

3. The scanner must be mounted with its axis vertically; either upright or inverted. The unit must not be mounted horizontally.

4. The drive motor in the Ademco Scanner is both impedance and clutch protected for accidental overloads. In addition, a fuse is provided to protect against short circuits. To replace the fuse, remove the top cover of the unit. Use a .5 ampere 3AG type fuse.

5. The No. 1531 Scanner is supplied with a 3 ft. cable and connector to mate with its controller. One set of extra connectors is supplied for making extension control cables. Use 5 conductor cable, minimum AWG #20. Ademco No. 292 cable, 5 conductor, #18 AWG is especially suited for this. Connection between the controller and scanner is 24 VAC. Make extension cables according to the diagram below.

**Diagram:**

**MALE CONNECTOR**

**CONTROLLER END**

**SCANNER EXTENSION CABLE**

**FEMALE CONNECTOR**

**SCANNER END**

Installation

1. Select the best position for the camera. As with any CCTV installation, the camera should be located high, looking down on the televised scene. DO NOT POSITION THE CAMERA WHERE DIRECT OR BRIGHT REFLECTED SUNLIGHT COULD ENTER THE LENS DIRECTLY. Avoid having the camera look directly into very bright lights as this will affect the picture received and may damage the sensitive vidicon tube.

2. Mount the unit, and bracket, if used, as in 2 above.

3. Mount the camera with the 1/4"-20 screw supplied. This screw can be placed in any one of three positions provided (see 5 in diagram following) to obtain best balance. Use an open end wrench to tighten the camera mounting screw. A simple method for determining balance when large lenses or other attachments are
used is to place a pencil under the camera and move it along a flat surface until it balances on the pencil. Mark the position of the pencil on the camera. This shows the point which should be at the center of the Scanner mounting plate.

4. The angle of the camera can be adjusted by loosening the hex head screws (4) on each side of the camera mounting bracket and tilting to the desired angle. Tighten firmly.

5. Connect the camera to a monitor at the camera location with coaxial cable. Plug in and turn on the camera and monitor. Focus to obtain the best picture.

6. Connect the control and the scanner. Have the control at the camera location to assist in adjustment. Plug the control into a 115 VAC source and push the power switch to energize the unit. Check that the Auto-Pan switch is in the "out" (manual) position.

7. Using the "Allen" wrench supplied, set the limit stops as follows: (refer to drawing)

   a. Loosen the set screws in the limit stops (1 and 2) enough so that the stop slides easily but does not fall off.

   b. Press the "Right" pan switch on the controller to rotate pan head to the "STOP" position desired.

   c. Locate the "RIGHT" Pan Limit Stop (1) and move it until it contacts the limit switch actuator (3). Move the stop an additional amount, moving the actuator with it, until you hear a "click" indicating the reversing of the limit switch. Lock the "STOP" in place. If you do not hear a "click" move the actuator back all the way to reset the switch, then try again.

   d. Press the "LEFT" pan switch to rotate the pan head to the left "STOP" position. Adjust the "LEFT" Pan Limit Stop (2) as before.

   e. Press the "Auto-Pan" button and recheck for exact trim of the limit stops. Then check that the stops are securely locked in place.

8. When making the final cable connection to the installed system monitor, be sure that the coaxial cable and camera line cord have sufficient slack so that they will not impair the rotation of the unit.

Operation

1. The main power switch energizes the controller. No power is consumed in this condition except for the pilot light which signifies power ON. Press the main power switch for "ON". Press again for "OFF".

2. In order to set the unit for automatic pan operation, press the "Auto-Pan" switch to the "IN" position. The unit will now cycle between the limits selected,
3. If manual operation is desired, press and release the "Auto-Pan" button to the "OUT" position. The "LEFT" or "RIGHT" buttons may now be pressed to position the unit.