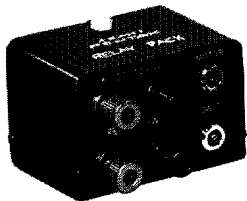


**ASAHI
PENTAX**

RELAY PACK & POWER PACK

MOTOR DRIVE SYSTEM

Operating Manual



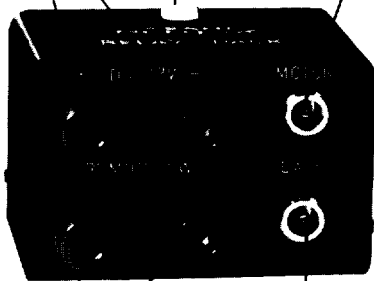
RELAY PACK

NOMENCLATURE

DC input terminal (12V)

Trigger button

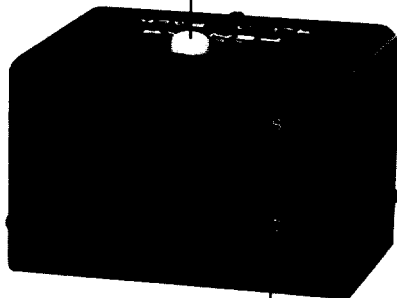
Motor socket



Remote-control terminal

Battery socket

Trigger button



C/S switch



Connecting cord

SPECIFICATIONS

Equipped with C/S (Consecutive/Single) switch, trigger button, DC input terminals (12V) and remote-control terminals.

Dimensions: Width 70mm × Height 51mm × Depth 70mm.

Weight: 167g.

Supplied with 1-meter (3.3 ft.) power source connecting cord.

FEATURES

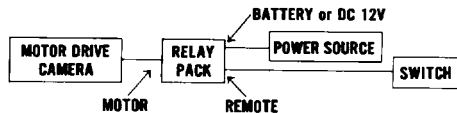
The Relay Pack and the Power Pack are used in combination with the Asahi Pentax Motor Drive Set 36 and Set 250.

The Relay Pack permits use of 12V DC power sources such as automobile batteries (0.4A at 12V), etc., other than the battery grip. Combined with the Asahi Pentax Motor Drive Unit, it is extremely convenient for:

1. Remote-control photography from a distance of more than 10m (33 ft.).
2. Simultaneous photography using two or more Spotmatic Motor Drive cameras.
3. Documentary photography using the Timer.

Like the battery grip, the Relay Pack has a C/S (Consecutive/Single) switch and trigger button that function in the same way as the C/S switch and trigger button on the battery grip. Therefore, the Motor Drive Unit can be activated from the Relay Pack, and the C/S switch can also be set and controlled at the Relay Pack. The Motor Drive may also be activated by a remote switch wired to the remote-control terminals of the Relay Pack. The shutter will be triggered by either the Relay Pack trigger button or the remote switch extending from it.

PHOTOGRAPHY FROM DISTANCE OF MORE THAN 10 METERS

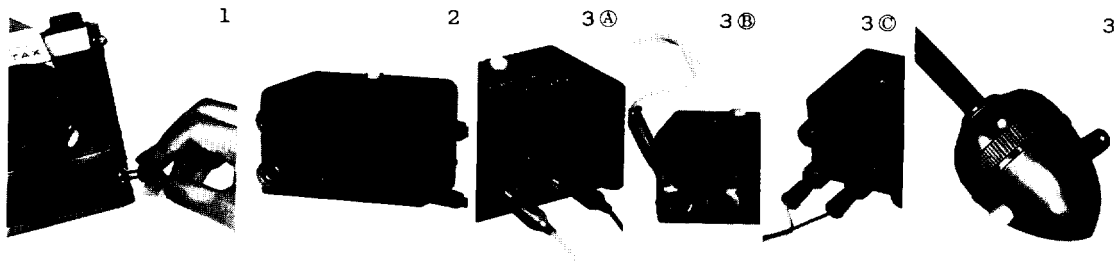


ASSEMBLY

Connect the Relay Pack to the Spotmatic Motor Drive camera as illustrated above. A remote switch wired to the remote-control terminals (REMOTE SW) and used for activating the Motor Drive Unit permits photography from a greater distance.

1. Connect the motor socket (MOTOR) of the Relay Pack to the motor socket on the Motor Drive Unit with an extension cord as illustrated.

2. When using the battery grip as the power source, connect the battery socket (BATT) on the Relay Pack to the remote-control socket on the battery grip, using the 1m connecting cord. When using other 12V DC power source such as an automobile battery, etc., connect the (+) and (-) terminals of the power source correctly to the corresponding DC input terminals on the Relay Pack, with a suitable cord.
3. Attach a two-wire cord to the remote-control terminals on the Relay Pack, and fit a suitable switch at the other end of the cord. The voltage of the power source (DC 12V, 0.4A) used for the Motor Drive Unit is so low, there is no danger of electric shocks.



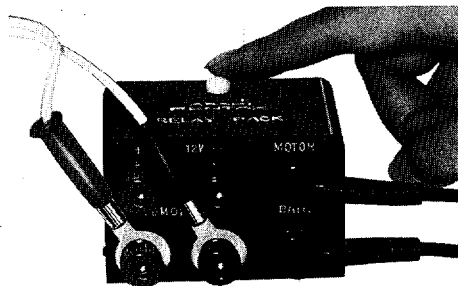
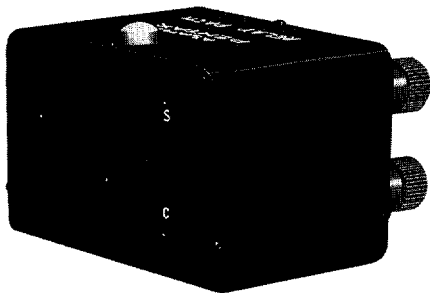
OPERATION

Set the shutter dial of the Motor Drive camera and the Bulb switch on the Motor Drive Unit, according to the operating manual for the Motor Drive System. Set the C/S switch on the Relay Pack at C for consecutive photography, or S for taking single frames. Press the trigger button on the Relay Pack, and the shutter is released. Ordinarily, the Motor Drive Unit is activated from the switch wired to the remote-control terminals of the Relay Pack, rather than by the trigger button on the Relay Pack. Therefore, first decide the desired posi-

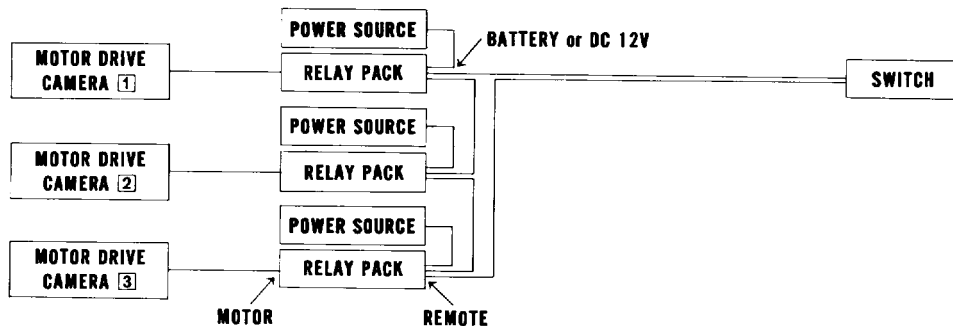
tion of the C/S switch on the Relay Pack.

When using the battery grip as the power source, press the trigger button on the battery grip for releasing the shutter. Also use the C/S switch on the battery grip, regardless of the C/S switch on the Relay Pack.

Caution: Keep the distance between the camera and the power source within 10 meters (33 ft.). A longer extension cord causes voltage drops and leads to faulty functioning.



SIMULTANEOUS PHOTOGRAPHY USING TWO OR MORE CAMERAS



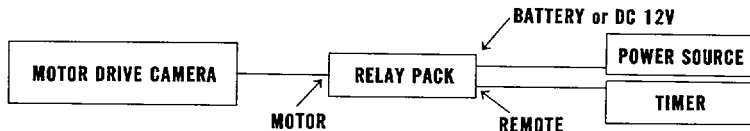
ASSEMBLY & OPERATION

Connect each camera with its Relay Pack, as illustrated above. Then, connect the remote-control terminals (REMOTE) of the Relay Packs in series and extend cords from the two Remote terminals farthest apart and attach them to the switch. When this switch is activated, all cameras are

operated simultaneously.

Connect the Relay Packs to the cameras and the power sources in the same way as for PHOTOGRAPHY FROM A DISTANCE OF MORE THAN 10 METERS.

DOCUMENTARY PHOTOGRAPHY USING TIMER



ASSEMBLY & OPERATION

Connect the camera with the Relay Pack. Connect the Timer to the remote-control terminals of the Relay Pack, as illustrated above. This arrangement permits automatic documentary photography at desired time intervals.

Connect the Relay Pack with the camera

and the power source in the same way as for PHOTOGRAPHY FROM DISTANCE OF MORE THAN 10 METERS.

Connect the remote-control terminals of the Relay Pack and the Timer with a suitable cord. For details, refer to a separate brochure: HOW TO USE THE TIMER.

POWER PACK

NOMENCLATURE

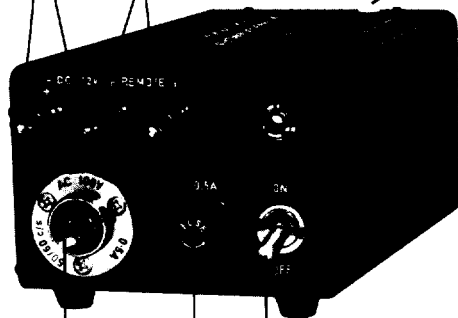
DC 12V input terminal

Remote-control terminals

Trigger button

Motor socket

Battery socket

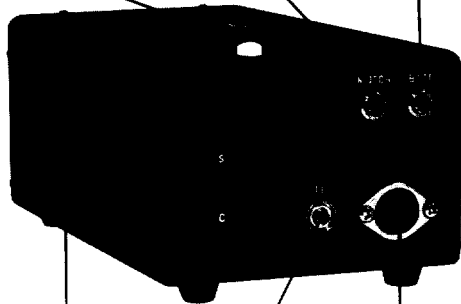


AC input connector

Fuse

AC on/off switch

Pilot lamp



C/S switch

FP socket

6P connector

Connecting cord (1m)



AC cord



SPECIFICATION

Equipped with C/S switch, trigger button, DC input terminals (12V) and remote-control terminals. AC power source can be used. Can also be used for recharging NiCad batteries. A 6P connector for connection with a Radio Control Unit is provided.

Dimensions: Width 98mm × Height 82mm ×
Depth 198mm.

Weight: 1.7 kg (3.7 lbs.)

Accessories: 2 connecting cords (1m); AC connecting cord (2m); 2 spare fuses.

AC mains: 100V, 110V, 120V, 220V or 240V.

Frequency: 50/60 cycles

Output voltage: DC 12.5V (no load)

Stability of output voltage: 3% (Rated output current)
5% (Maximum output current)

Charging voltage: DC 13.5V (Loaded)

Charging current: 50mA

FEATURES

The Power Pack not only has the capabilities of the Relay Pack but also possesses a very wide range of applications as outlined below.

1. Can be used as a Relay Pack.
2. Allows using AC power sources for the Motor Drive Unit. It converts AC power to the 12V DC current needed for the Motor Drive Unit.
3. Can be used for charging NiCad batteries used in the battery grip.
4. Wireless remote-control photography is possible in combination with a Radio Control Unit.

*WHEN USED AS A RELAY PACK

When using the battery grip as the power source, set the AC on/off switch on the Power Pack at "OFF". When using a DC 12V power source, the AC on/off switch is inoperative. Never use the battery grip or AC power together with another DC 12V power source.

AC OPERATION

ASSEMBLY & OPERATION

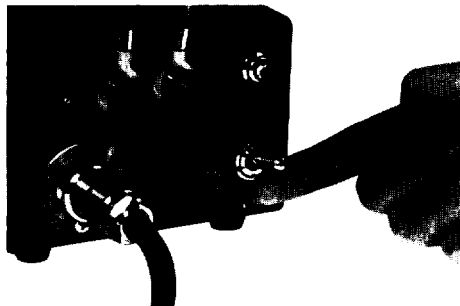
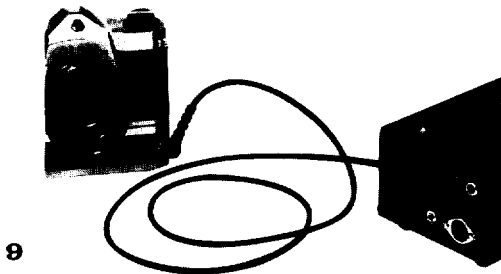
With the Power Pack, AC power can be utilized. The correct Power Pack models for the AC main voltage of your country must be used. But all voltage can be used for both 50 and 60 cycles AC.

Connect the Motor Drive camera to the Power Pack in the same way as to the Relay Pack, using the supplied connecting cord. Then, connect the AC input connector with an AC outlet using the AC cord. Turn on the AC switch on the Pow-

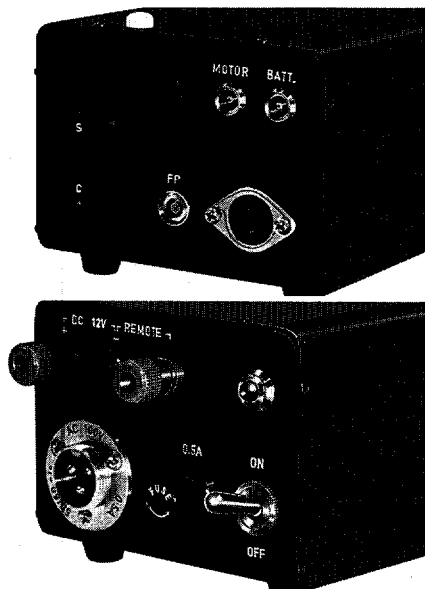
er Pack. The Pilot lamp will light, indicating that the Power Pack is ready for operation.

In case the pilot light does not light, pull out the fuse from the fuse holder and check. When replacing the fuse, be sure to use only a fuse with the prescribed capacity. Otherwise, trouble may occur in the circuit.

Operation of the C/S switch and trigger button is similar to the Relay Pack.



RECHARGING NICAD BATTERIES



ASSEMBLY & OPERATION

You can use the Power Pack to charge your NiCad batteries in the battery grip. Connect the Power Pack to the AC outlet with the supplied AC cord. Then, connect the NiCad battery-loaded grip with the battery (BATT) socket of the Power Pack by means of the supplied 1m connecting cord. Turn the C/S dial on the battery grip to "C". Set the power switch on the Power Pack to "ON". The pilot lamp lights and charging begins. The full charging time varies, depending on the type of the NiCad batteries, but usually it is somewhere around 14 hours.



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