

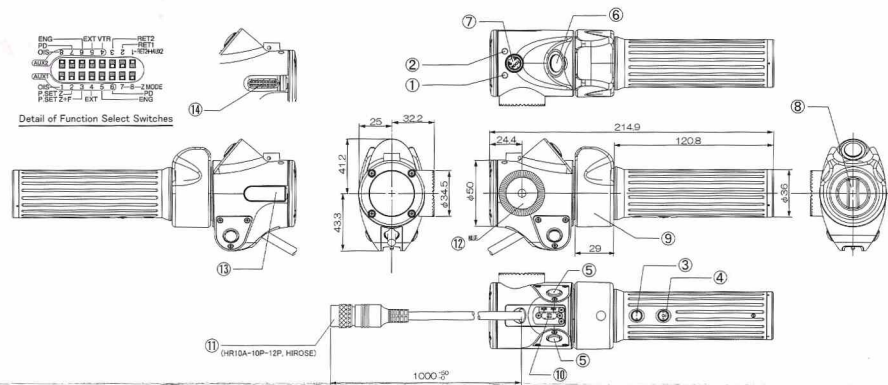
ENGLISH VERSION

MAIN SPECIFICATIONS

- | | | | |
|-----------------------|------------------------|-------------------------|---------------|
| • Input Voltage | 12V DC | • Operating Temperature | -10°C ~ +50°C |
| • Current Consumption | Approx. 50mA (Approx.) | • Storage Temperature | -20°C ~ +60°C |
| • Mass | 0.6 kg (Approx.) | | |

NAMES AND FUNCTIONS

ERD-40A-D01



(unit: mm)

① INDICATOR (AUX1) ※ The indicator will illuminate in green.

Indicates the operation status of the function operated by "AUX1 Switch ⑤". The status indicated by the Indicator will be different depending on the function assigned to "AUX1 Switch ⑤".
For details, refer to "Function selection switch ⑭".

② INDICATOR (AUX2) ※ The Indicator will illuminate in orange.

Indicates the operation status of the function operated by "AUX2 Switch ⑥". The status indicated by the Indicator will be different depending on the function assigned to "AUX2 Switch ⑥".
For details, refer to "Function selection switch ⑭".

③ Return Switch 1

The Return 1 circuit is closed as long as this switch is pressed.
You can disable the function of this switch using the setting of "Function selection switch ⑭".

④ Return Switch 2

The Return 2 circuit is closed as long as this switch is pressed.
You can disable the function of this switch using the setting of "Function selection switch ⑭".

Note. The Return 3 circuit is closed as long as both "Return Switch 1 ③" and "Return Switch 2 ④" are enabled and simultaneously pressed.

⑤ AUX1 SWITCH

⑥ AUX2 SWITCH

No function is assigned to this switch in the default setting.
Various functions can be operated by assigning them using the "Function Select Switches ⑭".
For details about each function, refer to the "Function Select Switches ⑭" section.

⑦ Zoom Speed Control Knob

By operating this knob, the maximum zoom speed obtained by fully displacing the thumb ring can be varied; the preset shot recalling speed can be determined.

⑧ Torque Control Knob

The operating torque of the thumb ring can be adjusted with this knob. Turning it CW relative to the knob increases the torque and turning it CCW decreases it.

⑨ Thumb Ring

In the zoom rate operation, the zooming operation can be performed by means of this ring. The zoom speed varies according to the amount of the displacement of the thumb ring.

The maximum speed is obtained when the ring is fully displaced.

⑩ Reverse Switch

By operating this switch, the operating direction of the zoom can be changed in the zoom rate operation.

⑪ Connector to Lens

This connector is linked with a Lens via a Connection Cable.

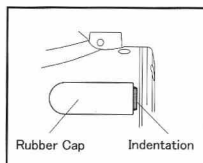
⑫ Joint

This joint is joined with the joint of a Mounting Clamp in installation of this Unit.

⑬ Rubber Cap

This cap is used for protecting the Function Select Switches.

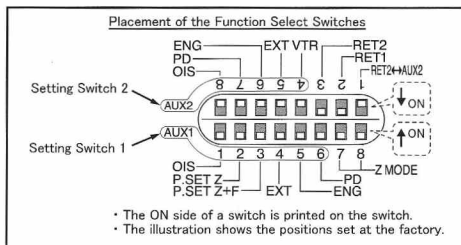
When you detach this cap, take it off from the indented side at the top.



14 Function Select Switches

When you remove the rubber cap, you will find 16 switches in two rows (8 switches x 2 rows) inside.

These Switches are used to select the functions of this Unit.



Item	Switch No.	Function
Setting Switch 1	AUX1 Function Select Switch	SW1-1 Optical Stabilizer ON/OFF
		SW1-2 Zoom Preset Control
		SW1-3 Zoom and Focus Simultaneous Preset Operation
		SW1-4 Extender Control
		SW1-5 Intercom Select (ENG)
		SW1-6 Intercom Select (PD)
	Zoom Mode Switch	SW1-7
		SW1-8 Select the Zoom Mode
Setting Switch 2	Return Switch	SW2-1 Return Switch 2 and AUX2 Function Select
		SW2-2 Enable Return Switch 1
		SW2-3 Enable Return Switch 2
	AUX2 Function Select Switch	SW2-4 Operate VTR Switch
		SW2-5 Extender Control
		SW2-6 Intercom Select (ENG)
		SW2-7 Intercom Select (PD)
		SW2-8 Optical Stabilizer ON/OFF

※ Priority when multiple DIP switches are turned on at the same time.

AUX1 Function Select Switch:
SW1-1>SW1-2>SW1-3>SW1-4>SW1-5>SW1-6

AUX2 Function Select Switch:
SW2-8>SW2-7>SW2-6>SW2-5>SW2-4

■ Description of the Function Selection Switch

Setting Switch 1

- SW1-1 (Optical Stabilizer ON/OFF)**
When this switch is turned ON, the operation of the vibration isolation function of a Lens that has this function is enabled by pressing "AUX1 Switch ⑤". Every time you press "AUX1 Switch ⑤" while this switch is ON, the vibration isolation function is switched ON and OFF. When this switch is ON, "Indicator ① (AUX1)" will illuminate and the vibration isolation function will be activated. When this switch is OFF, "Indicator ① (AUX1)" will go out and the Lens with the vibration isolating mechanism will stop moving at the center of the optical axis.
Note 1. Turn OFF the Lens power before operating the SW1-1.
Note 2. Some of the Lenses (e.g. older models) are not provided with this function. For details, please consult our sales agent or Fujinon service department.
- SW1-2 (Zoom Only Preset Operation)**
When this switch is turned ON, the operation of the zoom preset function of the Lens is enabled by pressing "AUX1 Switch ⑤". For details, refer to the "OPERATING INSTRUCTION" section.
- SW1-3 (Zoom and focus simultaneous preset operation)**
When this switch is turned ON, the operation of the zoom and focus simultaneous preset function of the Lens is enabled by pressing "AUX1 Switch ⑤". The operation method is the same as that of SW1-2 (zoom preset function). For details, refer to the "OPERATING INSTRUCTION" section.

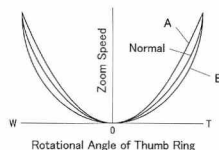
Note 3. The operation of the zoom and focus simultaneous preset function can be performed only when both Lens and Focus Position Demand Unit are provided with digital control.

Note 4. For details of the Focus Preset Operation, please refer to the Operation Manual of your Focus Position Demand Unit.

Note 5. When you perform the operation of the zoom and focus simultaneous preset function, turn OFF SW1-2. When SW1-2 is ON, the Preset Operation for only zoom will be activated.

- SW1-4 (Extender Control)**
When this switch is turned ON, the operation of Extender Control of the Lens is enabled by pressing "AUX1 Switch ⑤". Every time you press this switch, the operation of the Extender Control function turns ON and OFF.
- SW1-5 (Intercom Control (ENG))**
When this switch is turned ON, the operation of the Intercom Control (ENG) (Engineer) function is enabled by pressing "AUX1 Switch ⑤". Every time you press this switch, the operation of the Intercom Control (ENG) function turns ON and OFF.
- SW1-6 (Intercom Control (PD))**
When this switch is turned ON, the operation of the Intercom Control PD (Producer) function is enabled by pressing "AUX1 Switch ⑤". The "PD" circuit is closed as long as this switch is pressed.
- SW1-7/SW1-8 (Zoom Mode Select)**
The characteristics of "Zoom Speed vs. Rotational Angle of Thumb Ring" can be selected by a combination of the settings of switches SW1-7 and SW1-8. The selection can be made from "Normal", "A" or "B".

Switch Setting	Mode
SW1-7 SW1-8	
OFF OFF	Normal
ON ON	
ON OFF	A
OFF ON	B



Setting Switch 2

- SW2-1 (Return Switch 2 and AUX2 Function Select)**
The setting of this switch enables switching between the functions of "Return Switch 2 ④" and "AUX2 Switch ⑤".
- SW2-2 (Enable Return Switch 1)**
The setting of this switch enables or disables the function of "Return Switch 1 ③".
- SW2-3 (Enable Return Switch 2)**
This switch will switch to enable or disable the function of "Return Switch 2 ④".
- SW2-4 (Operate VTR Switch)**
When this switch is turned ON, the recording start/stop operation of a VTR connected to the Camera is enabled by pressing "AUX2 Switch ⑤". Press the switch to toggle start/stop.
- SW2-5 (Extender Control)**
When this switch is turned ON, the operation of Extender Control of the Lens is enabled by pressing "AUX2 Switch ⑥". Every time you press this switch, the operation of the Extender Control function turns ON and OFF.
- SW2-6 (Intercom Control (ENG))**
When this switch is turned ON, the operation of the Intercom Control (ENG) (Engineer) function is enabled by pressing "AUX2 Switch ⑥". Every time you press this switch, the operation of the Intercom Control (ENG) function turns ON and OFF.
- SW2-7 (Intercom Control (PD))**
When this switch is turned ON, the operation of the Intercom Control PD (Producer) function is enabled by pressing "AUX2 Switch ⑥". The "PD" circuit is closed as long as this switch is pressed.
- SW2-8 (Optical Stabilizer ON/OFF)**
When this switch is turned ON, the operation of the vibration isolation function of a Lens that has this function is enabled by pressing "AUX2 Switch ⑥".
The same operation as that of SW1-1 of AUX1 Function Select Switch is performed by pressing "AUX2 Switch ⑥". The operation status of the vibration isolation function is indicated by "Indicator ② (AUX1)". For details about the operation, refer to the description of Setting Switch 1 (SW1-1).

INSTALLATION

This Unit can be installed on a pan bar using a Mounting Clamp.

Note 1. Before installation, turn off the power of the Camera.

Note 2. When the power of the Camera is turned on after installation, the initial Lens setup will be carried out. The initial setup takes a different amount of time for different Lenses. Refer to the Operation Manual for your Lens.

During setup, the Lens cannot be controlled from this Unit.

- First, install a Mounting Clamp onto a pan bar.
- Fit the joint of the Unit to the joint of the Mounting Clamp.
- Adjust the angle at which the Unit is attached to suit the operator, then tighten the attaching screw to fix the Unit securely.

⚠ CAUTION When tightening the attaching screw, be careful not to put your finger between the attaching screw and the Mounting Clamp or the Unit as doing so may cause injury if your finger is pinched.

⚠ WARNING Be sure to attach or tighten all the parts securely. Droppings of these parts from a height may cause a severe accident.

- Install Flexible Cable. (See Configuration.)

OPERATING INSTRUCTION

Note 1. This product can not be used with analog control lens.

Note 2. Before starting the operation, set the zoom operation mode of the Lens to Servo mode. For the setting method, refer to the Operation Manual of your Lens.

Note 3. Make sure to store the preset position when you perform the Preset Operation.

With this Zoom Rate Demand Unit, following two ways of operation are available.

- (1) Zoom Rate Operation
- (2) One Shot Preset Operation

(1) Zoom Rate Operation

- Zooming operation is performed with the thumb ring ⑤ of the Unit. Clockwise displacement of the ring causes the Lens to zoom toward the telephoto side. (The zooming direction of the Lens can be changed by means of the reverse switch ⑩.)
- The zoom speed varies according to the amount of the displacement of the thumb ring. The maximum speed is obtained when the thumb ring is fully displaced.

(2) One Shot Preset Operation

In this operation, the zoom and the focus move simultaneously to predetermined positions, or only the zoom moves to a predetermined position. There are two operation modes in One Shot Preset Operation.

To set the operation mode, use SW1-2 and SW1-3 of AUX1 Function Select Switch of "Function selection switch ⑭".

① ZOOM ONLY PRESET OPERATION

a. SELECTING PRESET MODE

Turn ON SW1-2 of AUX1 Function Select Switch.

b. STARTING PRESET MODE

Start the preset mode by holding down "AUX1 Switch ⑤". When the preset mode starts, "Indicator ① (AUX1)" flashes.

c. STORING PRESET POSITION

Set the zoom position by means of the thumb ring. When you press "AUX1 Switch ⑤" at the desired zoom position, the zoom preset position is stored. When the preset position is stored, "Indicator ① (AUX1)" goes out.

d. RECALLING PRESET SHOT

When the "AUX1 Switch ⑤" is pressed after setting the preset position, the Preset Operation starts up. When the Preset Operation starts, the zoom moves to the preset position and "Indicator ① (AUX1)" illuminates.

e. RELEASING PRESET SHOT

Rotate the thumb ring of this unit. The zoom will move by the amount according to the displaced angle of the thumb ring. When this occurs, "Indicator ① (AUX1)" goes out.

② ZOOM AND FOCUS SIMULTANEOUS PRESET OPERATION

a. SELECTING PRESET MODE

Turn ON SW1-3 of AUX1 Function Select Switch.

Note. Turn OFF SW1-2 of AUX1 Function Select Switch. When SW1-2 is ON, the Preset Operation for only zoom will be activated.

b. STARTING PRESET MODE

Start the preset mode by holding down "AUX1 Switch ⑤". When the preset mode starts, "Indicator ① (AUX1)" flashes.

c. STORING PRESET POSITION

Set the zoom position by means of the thumb ring of this unit and set the focus position by means of the focus control knob of the Focus Position Demand Unit. When you press "AUX1 Switch ⑤" at the desired zoom position and focus position, both the zoom and the focus preset positions are stored. When the preset position is stored, "Indicator ① (AUX1)" goes out.

d. RECALLING PRESET SHOT

When the "AUX1 Switch ⑤" is pressed after setting the preset position, the Preset Operation starts up. The zoom and focus will move to the respective preset positions and "Indicator ① (AUX1)" will illuminate.

e. RELEASING PRESET SHOT

Rotate the thumb ring of this unit. The zoom will move by the amount according to the displaced angle of the thumb ring. When the Preset Operation is released, "Indicator ① (AUX1)" goes out.

Note. To release the Focus Preset Operation, use Focus Position Demand Unit. For details about the Focus Preset Operation, refer to the Operation Manual of your Focus Position Demand Unit.

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