

These power amplifiers are used to drive the 10Ω series proportional electro-hydraulic pressure and flow control valves.



Model Number Designation

| AME | -D | -10 | -100 | -20 |
|---------------|------------------|--------------------------|--------------------------------|---------------|
| Series Number | Type of Function | Coil Resistance of Valve | Power Supply | Design Number |
| AME | D: DC Input Type | 10: 10 Ω | 100: 100 V AC 200: 200 V AC | 20 |

| SK1022 | -A | -100 | -11 |
|--|--|------------------------------------|---------------|
| Series Number | Type of Function | Power Supply | Design Number |
| SK1022: DC Input-Feedback Type | A: Polarity of Feedback Voltage...(-) B: Polarity of Feedback Voltage...(+) | 100: 100 V AC 200: 200/220 V AC | 11 |
| SK1015: DC Input Type for DC Power Supply | — | —* | 11 |

* Use with 24 V DC since this is for a battery power supply.

Applicable to Valve

| Name of Valve | Model Numbers |
|--|-------------------------------|
| Pilot Relief Valves | EDG-01* |
| Relief Valves | EBG-03 EBG-06 EBG-10 |
| Reducing and Relieving Valves | ERBG-06 ERBG-10 |
| 10Ω Series Flow Control Valves | EFG 03 EFCG 06 |
| 10Ω-10Ω Series High Flow Series Flow Control and Relief Valves | EFBG-03 EFBG-06 EFBG-10 |

Specifications

| Model No. | AME-D-10-*-20 | SK1022-A-*-11 | SK1022-B-*-11 | SK1015-11 |
|-----------------------------|--------------------------------|--|------------------------|----------------------|
| Description | AME-D-10-*-20 | SK1022-A-*-11 | SK1022-B-*-11 | SK1015-11 |
| Type of Function | DC Input Type | DC Input Feedback Type | DC Input Feedback Type | DC Input Type |
| Max. Output Current | 1 A (10Ω Solenoid) | 1 A (10Ω Solenoid) | 1 A (10Ω Solenoid) | 0.9 A (10Ω Solenoid) |
| Max. Input Voltage | + 10 V DC | + 10 V DC | + 10 V DC | + 10 V DC |
| Feedback Voltage | — | 0 to -10V | 0 to +10V | — |
| Input Impedance | 10 kΩ | 50 kΩ | 50 kΩ | 50 kΩ |
| Max. Gain | 1 A / 5 V | 1 A / 0.5 V | 1 A / 0.5 V | 0.9 A / 5 V |
| Dither | Variable | Fix | Fix | Fix |
| Temperature Drift (Max.) | 0.2 mA /°C | 0.2 mA /°C | 0.2 mA /°C | 1 mA /°C |
| Power Supply | 100 V AC, 200 V AC (50/60 Hz)* | 100 V AC, 200/220 V AC ±10% (50/60 Hz) | | 22-30 V DC |
| Power Input (Max.) | 55 VA | 45 VA | 45 VA | 25 VA |
| Ambient Temperature | 0-50°C (32-122°F) | 0-50°C (32-122°F) | 0-50°C (32-122°F) | 0-50°C (32-122°F) |
| External Setting Resistance | 1 kΩ | 1 kΩ | 1 kΩ | 10 kΩ |
| Approx. Mass | 2.1 kg (4.6 lbs.) | 4.5 kg (9.9 lbs.) | 4.5 kg (9.9 lbs.) | 0.4 kg (.88 lbs.) |

* Serviceable Range; 100 V AC can be used from 90 to 132 V AC, 200 V AC can be used from 180 to 264 V AC.

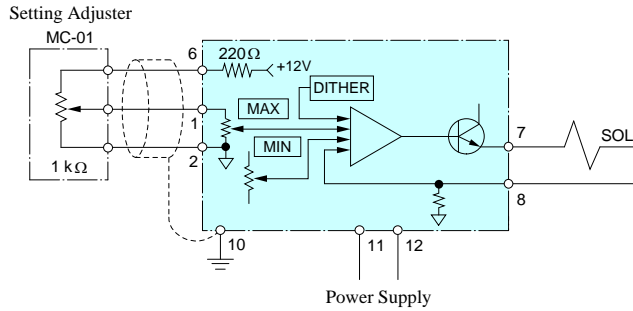
Instructions

Power supply for the setting adjuster can be provided from this power amplifier, but for only one. However, please use the variable resistor or potentiometre of which impedance is 1 kΩ (in case of model SK1015, use 10 kΩ) for the setting adjuster.



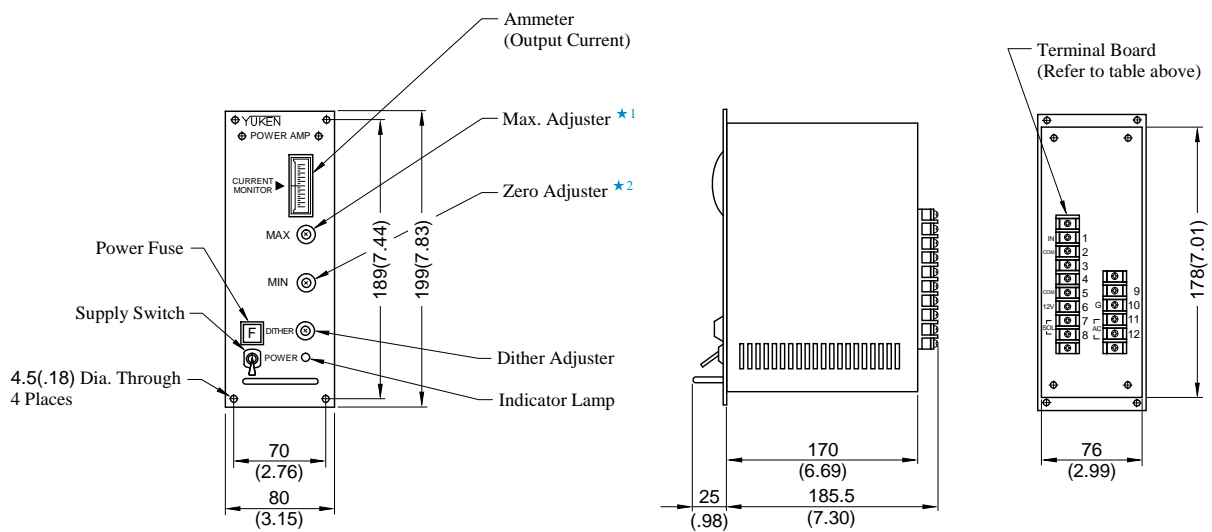
AME-D-10-*-20

[Example Diagram]



● Terminal Board

| Terminal Number | Name |
|-----------------|--|
| 1 | Input Signal IN |
| 2 | Input Signal COM |
| 3 | — |
| 4 | — |
| 5 | Input Signal COM |
| 6 | Internal Power Supply (10 V at 1 kΩ) +12 V |
| 7 | Output to Valve SOL |
| 8 | Solenoid SOL |
| 9 | — |
| 10 | Ground G |
| 11 | Power Supply |
| 12 | 100/200 V AC |

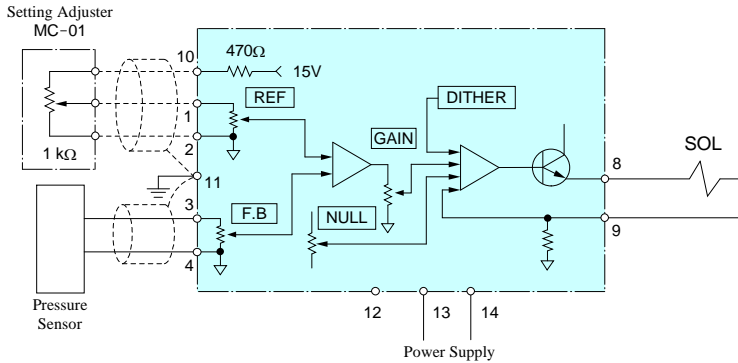


- ★1. Adjustment of upper limit of usable range
- ★2. Adjustment of lower limit of usable range

DIMENSIONS IN
MILLIMETRES (INCHES)

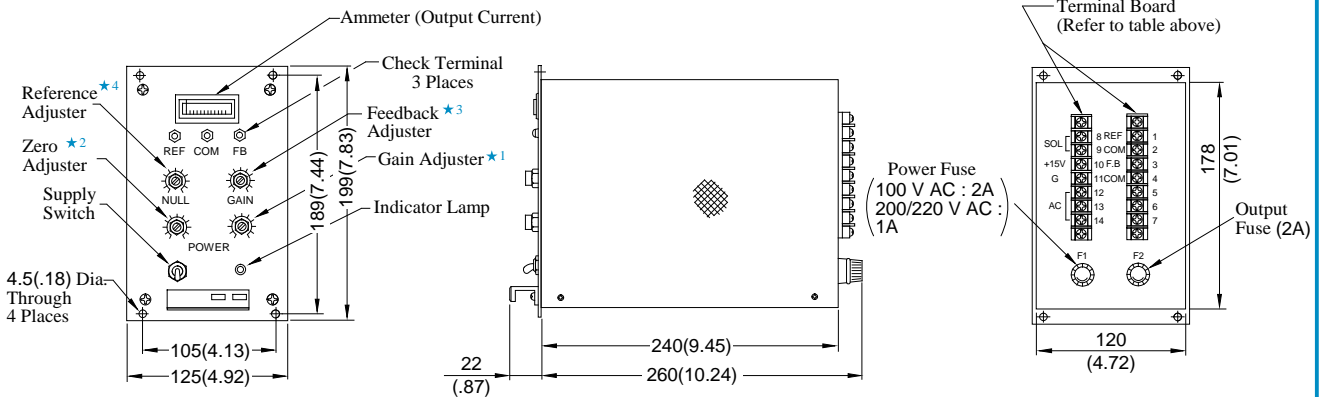
SK1022-A
B-* -11

[Example Diagram]



● Terminal Board

| Terminal Number | Name | |
|-----------------|---|----------------------------|
| 1 | Input Signal REF | |
| 2 | Input Signal COM | |
| 3 | Feedback Signal F.B | |
| 4 | Feedback Signal COM | |
| 5 | — | |
| 6 | — | |
| 7 | — | |
| 8 | Output to Valve SOL | |
| 9 | Solenoid SOL | |
| 10 | Power Supply for Setting Adjuster (+15V) (10 V at 1 kΩ) | |
| 11 | Ground G | |
| 12 | Power Supply | |
| 13 | | 100 V AC, 200V AC : 13, 14 |
| 14 | | 220 V AC : 12, 14 |

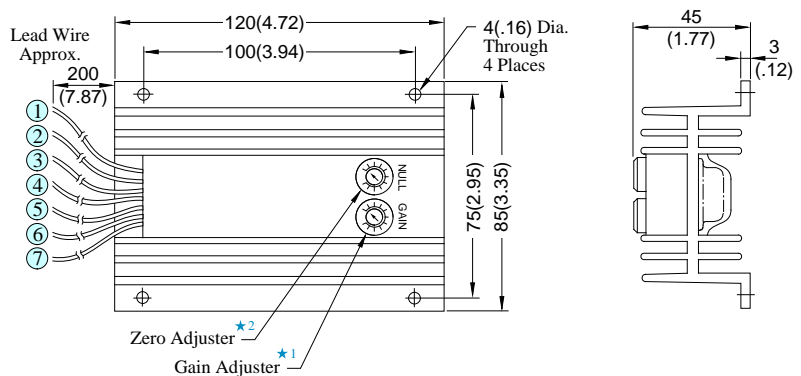
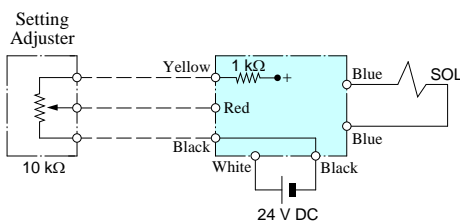


- ★1. Adjustment of upper limit of usable range
- ★2. Adjustment of lower limit of usable range
- ★3. Adjustment of feedback voltage ratio
- ★4. Adjustment of input voltage ratio

**DIMENSIONS IN
MILLIMETRES (INCHES)**

SK1015-11

[Example Diagram]



● Lead Wire Detail

- ① White.....Plus of 24 V DC
- ② Black.....Zero of 24 V DC
- ③ Blue.....
- ④ Blue.....} Output to Valve Solenoid
- ⑤ Yellow.....15 V Power Supply for Setting Adjuster (10 V at 10 kΩ)
- ⑥ Red.....Input Signal
- ⑦ Black.....Zero of Input Signal

- ★1. Adjustment of upper limit of usable range
- ★2. Adjustment of lower limit of usable range

Compact power amplifiers for 10Ω proportional solenoids. The power supply is 24 V DC. It uses a new circuitry to be slow to heat.



Model Number Designation

| AMN | -D | -10 |
|---------------|--------------------------|---------------|
| Series Number | Type of Function | Design Number |
| AMN | D : DC Input Type | 10 |

Specifications

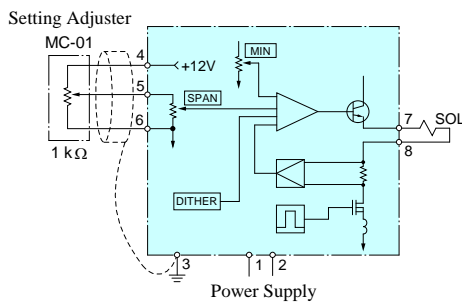
| Description | Model No. | AMN-D-10 |
|-----------------------------|-----------|------------------------|
| Type of Function | | DC Input Type |
| Max. Output Current | | 1 A (10Ω Solenoid) |
| Power Input (Max.) | | + 10 V DC |
| Input Impedance | | 10 kΩ |
| Max. Gain | | 1 A / 5 V |
| Dither | | Variable |
| Temperature Drift (Max.) | | 0.2 mA / °C |
| Power Supply | | 24 V DC (20 - 30 V DC) |
| Max. Input Power | | 25 W |
| Ambient Temperature | | 0 - 50°C (32 - 122°F) |
| External Setting Resistance | | 1 kΩ |
| Approx. Mass | | 0.2 kg (.44 lbs.) |

Applicable to Valve

| Name of Valve | Model Numbers |
|--|-------------------------------|
| Pilot Relief Valves | EDG-01* |
| Relief Valves | EBG-03 EBG-06 EBG-10 |
| Reducing and Relieving Valves | ERBG-06 ERBG-10 |
| 10Ω Series Flow Control Valves | EFG - 03 EFCG - 06 |
| 10Ω-10Ω Series High Flow Series Flow Control and Relief Valves | EFBG-03 EFBG-06 EFBG-10 |

AMN-D-10

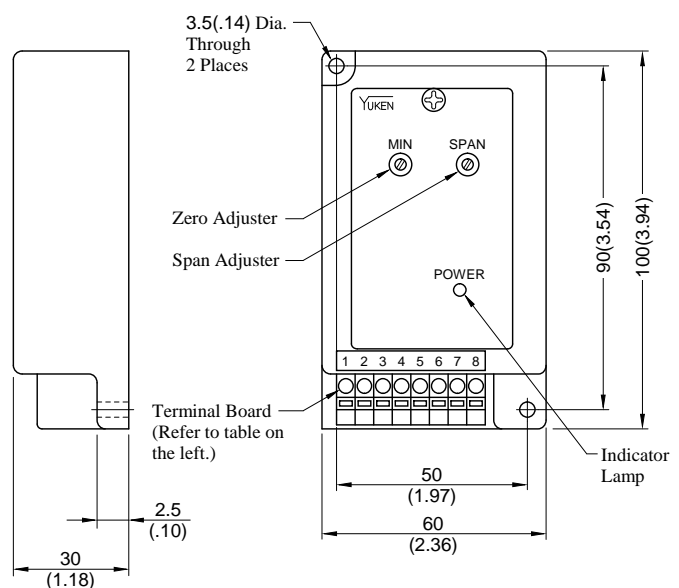
[Example Diagram]



Terminal Board

| Terminal Number | Name | |
|-----------------|-----------------------|-------|
| 1 | Power Supply | +24 V |
| 2 | Power Supply | 0 V |
| 3 | Ground | G |
| 4 | Internal Power Supply | +12 V |
| 5 | Input Signal | IN |
| 6 | Input Signal | COM |
| 7 | Output to Valve | SOL |
| 8 | Solenoid | |

DIMENSIONS IN MILLIMETRES (INCHES)



These power amplifiers are used to drive the 40Ω series proportional electro-hydraulic flow control valves.



Model Number Designation

| AME | -D | -S | -100 | -32 |
|---------------|----------------------------|------------------------|--|---------------|
| Series Number | Type of Function | Type of Mounting | Power Supply | Design Number |
| AME | D: DC Input Type | S: Panel Mounting Type | 100: 100 V AC 200: 200/220 V AC | 32 |
| | DF: DC Input Feedback Type | | | 22 |
| | T: Slow Up Down Type | | | 22 |

Applicable to Valve

| Name of Valve | Model Numbers |
|--|--------------------------|
| 40Ω Series Flow Control Valve | EFG EFCG -02/03/06/10 |
| 40Ω-10Ω Series Flow Control and Relief Valve | EFBG-03/06/10 |

Specifications

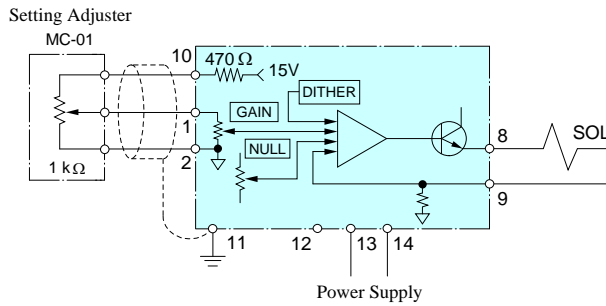
| Model No. | AME-D-S-*-32 | AME-DF-S-*-22 | AME-T-S-*-22 |
|-----------------------------|--|------------------------|----------------------|
| Description | DC Input Type | DC Input Feedback Type | Slow Up Down Type |
| Type of Function | DC Input Type | DC Input Feedback Type | Slow Up Down Type |
| Max. Output Current | 0.8 A (40Ω Solenoid) | 0.8 A (40Ω Solenoid) | 0.8 A (40Ω Solenoid) |
| Max. Input Voltage | + 10 V DC | + 10 V DC | — |
| Feedback Voltage | — | 0 to -10 V | — |
| Input Impedance | 10 kΩ | 50 kΩ | — |
| Slow Up Down Range | — | — | 0.05 to 1 s / 100 mA |
| Max. Gain | 0.8 A / 5 V | 0.8 A / 5 V | — |
| Dither | Fix | Fix | Fix |
| Temperature Drift (Max.) | 0.2 mA / °C | 0.2 mA / °C | 0.2 mA / °C |
| Power Supply | 100 V AC, 200/220 V AC ±10% (50/60 Hz) | | |
| Power Input (Max.) | 90 VA | 90 VA | 90 VA |
| Ambient Temperature | 0-50°C (32-122°F) | 0-50°C (32-122°F) | 0-50°C (32-122°F) |
| External Setting Resistance | 1 kΩ | 1 kΩ | — |
| Approx. Mass | 4.5 kg (9.9 lbs.) | 4.5 kg (9.9 lbs.) | 4.5 kg (9.9 lbs.) |

Instructions

When DC input type (AME-D-S) or DC input-feedback type (AME-DF-S) power amplifier is used, power supply for the setting adjuster can be provided from this power amplifier, but for only one. However, please use the variable resistor or potentiometre of which impedance is 1 kΩ for the setting adjuster.

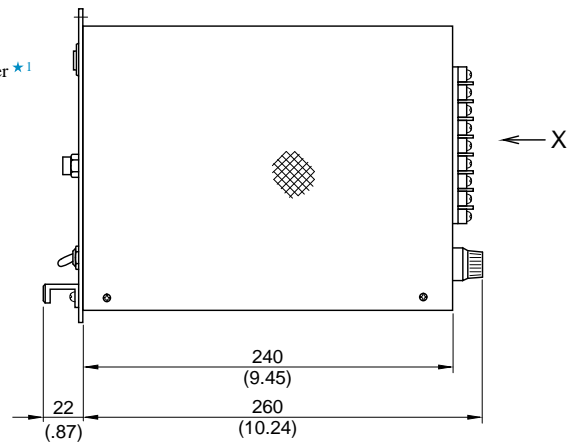
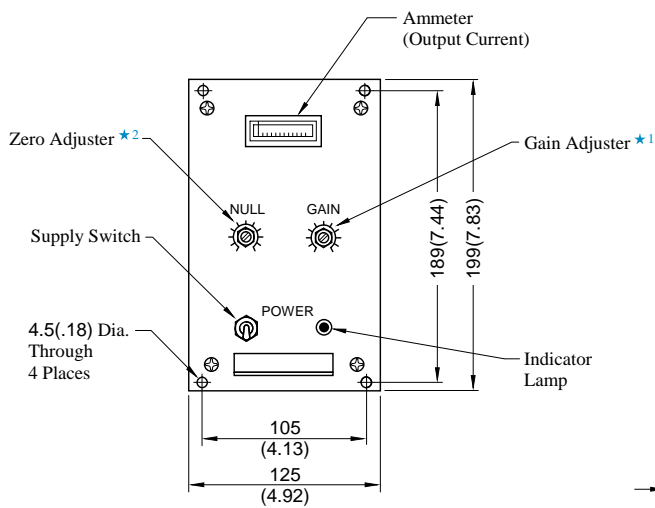
AME-D-S-※-32

[Example Diagram]



● Terminal Board

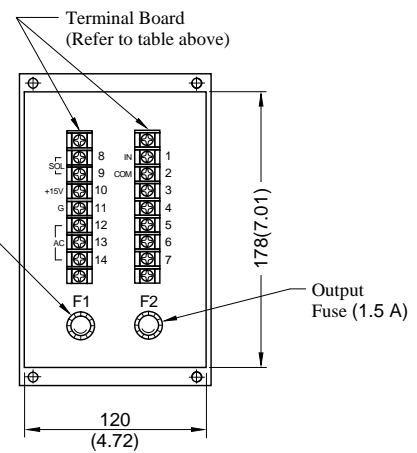
| Terminal Number | Name | |
|-----------------|--|----------------------------|
| 1 | Input Signal IN | |
| 2 | Input Signal COM | |
| 3 | — | |
| 4 | — | |
| 5 | — | |
| 6 | — | |
| 7 | — | |
| 8 | Output to Valve Solenoid SOL | |
| 9 | | |
| 10 | Power Supply for Setting Adjuster (10 V at 1 kΩ) +15 V | |
| 11 | Ground G | |
| 12 | Power Supply | |
| 13 | | 100 V AC, 200 V AC: 13, 14 |
| 14 | | 220 V AC: 12, 14 |



- ★1. Adjustment of upper limit of usable range
- ★2. Adjustment of lower limit of usable range

**DIMENSIONS IN
MILLIMETRES (INCHES)**

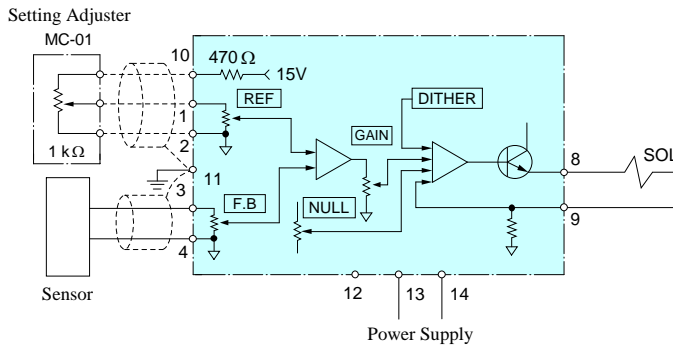
(Power Fuse
100 V AC: 3 A
200/220 V AC: 1.5 A)



View Arrow X

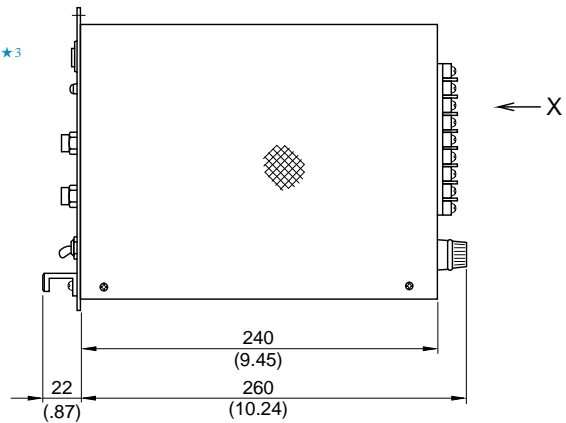
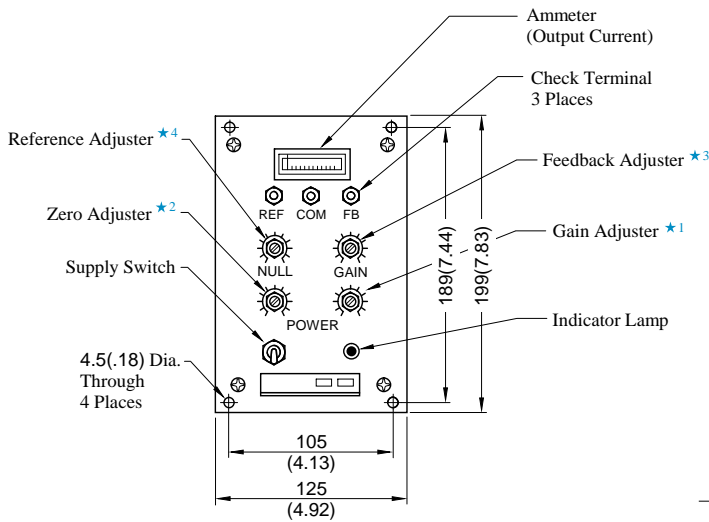
AME-DF-S-* -22

[Example Diagram]



● Terminal Board

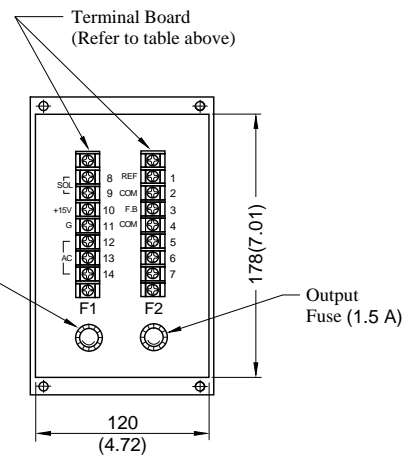
| Terminal Number | Name | |
|-----------------|--|----------------------------|
| 1 | Input Signal IN | |
| 2 | Input Signal COM | |
| 3 | Feedback Signal F.B | |
| 4 | Feedback Signal COM | |
| 5 | — | |
| 6 | — | |
| 7 | — | |
| 8 | Output to Valve Solenoid SOL | |
| 9 | | |
| 10 | Power Supply for Setting Adjuster (10 V at 1 kΩ) +15 V | |
| 11 | Ground G | |
| 12 | Power Supply | |
| 13 | | 100 V AC, 200 V AC: 13, 14 |
| 14 | | 220 V AC: 12, 14 |



- ★1. Adjustment of upper limit of usable range
- ★2. Adjustment of lower limit of usable range
- ★3. Adjustment of feedback voltage ratio
- ★4. Adjustment of input voltage ratio

**DIMENSIONS IN
MILLIMETRES (INCHES)**

(Power Fuse
100 V AC: 3 A
200/220 V AC: 1.5 A)



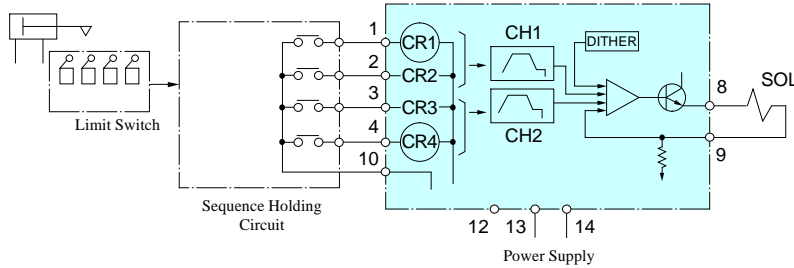
View Arrow X



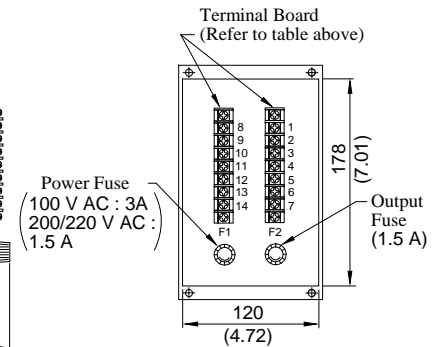
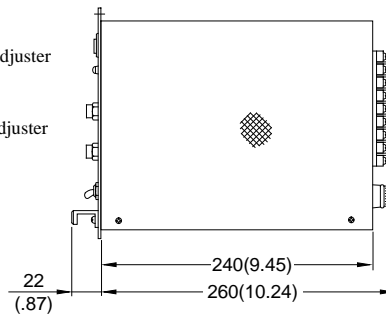
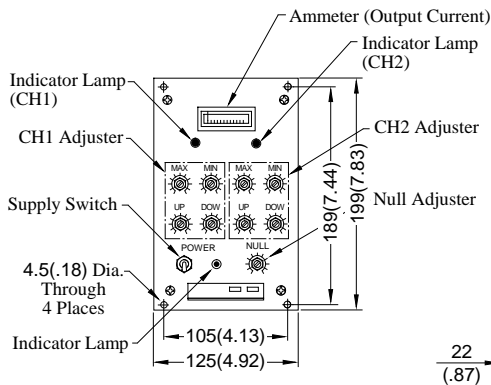
AME-T-S-* -22

● Terminal Board

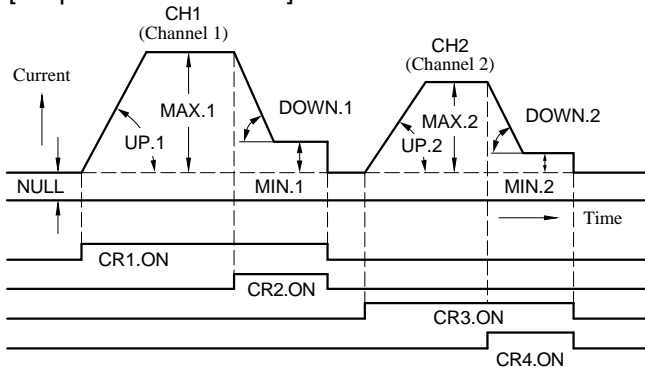
[Example Diagram]



| Terminal Number | Name | |
|-----------------|------------------------------|----------------------------|
| 1 | Input Command CR1 | |
| 2 | Input Command CR2 | |
| 3 | Input Command CR3 | |
| 4 | Input Command CR4 | |
| 5 | — | |
| 6 | — | |
| 7 | — | |
| 8 | Output to Valve Solenoid SOL | |
| 9 | | |
| 10 | Input Command CR.COM | |
| 11 | Ground G | |
| 12 | Power Supply | |
| 13 | | 100 V AC, 200 V AC: 13, 14 |
| 14 | | |



[Output Current Pattern]



**DIMENSIONS IN
MILLIMETRES (INCHES)**

Terminal
1 & 10 in Short-Circuit
2 & 10 in Short-Circuit
3 & 10 in Short-Circuit
4 & 10 in Short-Circuit

Note: 1. CR1 to CR4: Relays in the power amplifier.

The output patterns CH1 and CH2 can not be obtained simultaneously nor can they be transmitted halfway to another pattern.

2. The words such as MAX, MIN, UP and DOWN show the volume adjustment of the power amplifier.

■ **How to Calculate Accelerating and Decelerating Time (Example)**

Question: Wish to accelerate and decelerate the actuator in between 5 L/min (1.32 U.S. GPM) and 25 L/min (6.6 U.S. GPM) in the use of proportional flow control valve model EFG-02-30. In such case, what are the maximum and minimum time adjustable for the acceleration and deceleration?

Answer: The input current for EFG-02-30 at the flow rate of 5 L/min (1.32 U.S.GPM) and 25 L/min (6.6 U.S. GPM) can be obtained respectively from the chart below. The chart shows:

Input current at 5 L/min (1.32 U.S. GPM) 300 mA
 Input current at 25 L/min (6.6 U.S. GPM) 520 mA

Then, the difference between the above two can be obtained with the following formula:
 520 mA-300 mA=220 mA

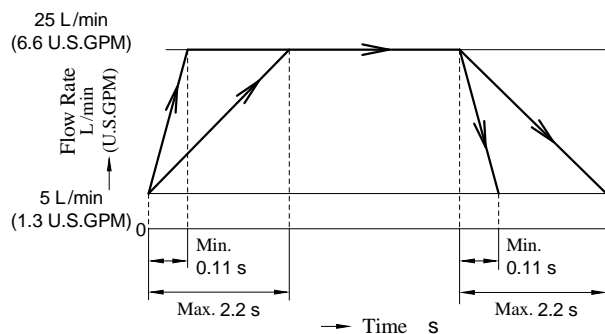
While, the specification for the model AME-T-S shows the amplifier's gradient for acceleration or deceleration as being between 0.05 s/100 mA and 1.0 s/100 mA (which means that the minimum time is 0.05 second and the maximum time is 1.0 second for every 100 mA variation). Therefore, the minimum and maximum adjustable time can be obtained as follows:

$$\frac{220 \text{ mA}}{100 \text{ mA}} \times 0.05 \text{ second} = 0.11 \text{ second (Minimum)}$$

$$\frac{220 \text{ mA}}{100 \text{ mA}} \times 1.0 \text{ second} = 2.2 \text{ second (Maximum)}$$

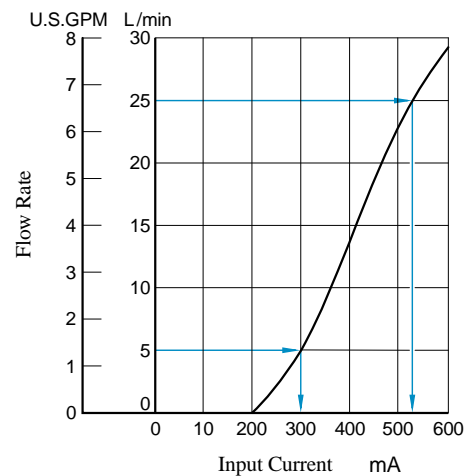
The result above are as illustrated on the below.

[Flow Pattern]



[Input Current vs. Flow]

EFG-02



These power amplifiers are specially designed to combine and incorporate the functions of pressure control (10 Ω solenoid) and flow control (40 Ω solenoid) into one and can be used for the proportional electro-hydraulic flow control and relief valves of which model numbers are as shown below.



Model Number Designation

| AME | -D2 | -H1 | -100 | -12 |
|---------------|-------------------|------------------------|------------------------------------|---------------|
| Series Number | Type of Function | Type of Mounting | Power Supply | Design Number |
| AME | D2: DC Input Type | H1: Wall Tapestry Type | 100: 100 V AC 200: 200/220 V AC | 12 |

Applicable to Valve

| Name of Valve | Model Numbers |
|---|---|
| 40Ω- 10Ω Series Flow Control and Relief Valve | 03-125 EFBG-06-250 ^C 10-500 ^H |

Specifications

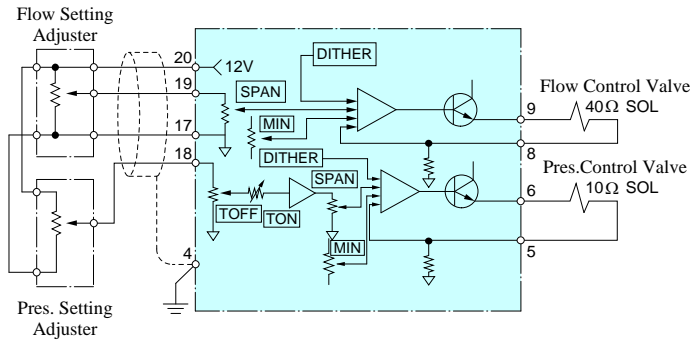
| Description | AME-D2-H1-*-12 | |
|-----------------------------|---|----------------------------------|
| | Flow Controls (40Ω Solenoid) | Pressure Controls (10Ω Solenoid) |
| Type of Function | DC Input Type | DC Input Type |
| Max. Output Current | 0.8 A (40Ω Solenoid) | 1 A (10Ω Solenoid) |
| Max. Input Voltage | +10 V DC | +10 V DC |
| Input Impedance | 10 kΩ | 10 kΩ |
| Max. Gain | 0.8 A / 5 V | 1 A / 5 V |
| Dither | Fix | Fix |
| Temperature Drift (Max.) | 0.2 mA /°C | 0.2 mA /°C |
| Power Supply | 100 V AC, 200/220 V AC ± 10% (50/60 Hz) | |
| Power Input (Max.) | 130 VA | |
| Ambient Temperature | 0-50°C (32-122°F) | |
| External Setting Resistance | 1 kΩ | 1 kΩ |
| Approx. Mass | 5.6 kg (12.3 lbs.) | |

Instructions

Power supply for the setting adjuster up to 2 set can be provided from this power amplifier. However, please use the variable resistor or potentiometre of which impedance is 1 kΩ for the setting adjuster.

AME-D2-H1-*-12

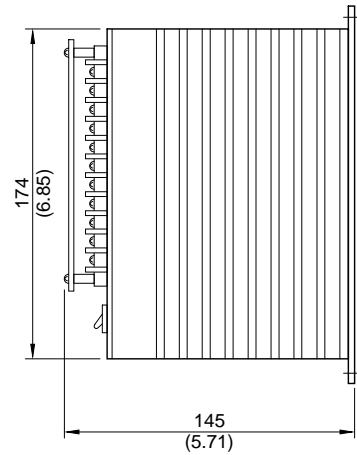
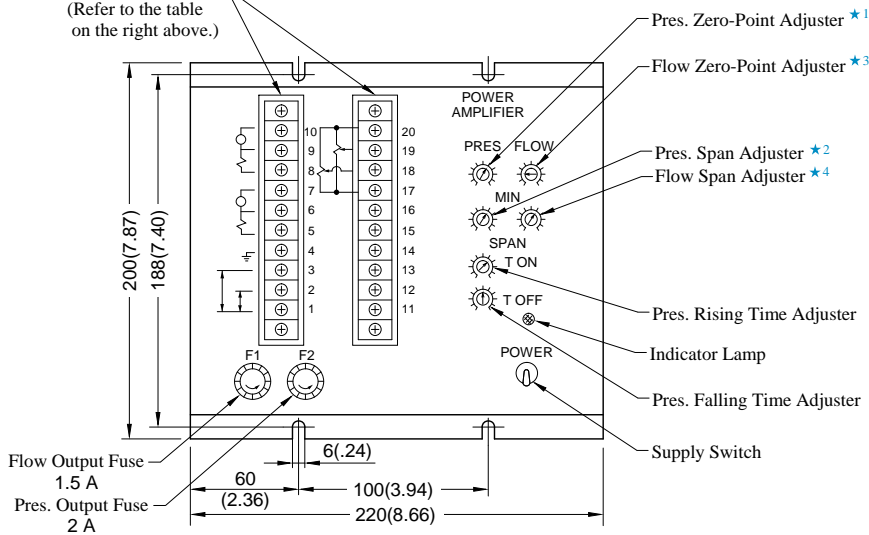
[Example Diagram]



● Terminal Board

| Terminal Number | Name |
|-----------------|--|
| 1 | Power Supply 100 V AC, 200 V AC: 1, 2 220 V AC: 1, 3 |
| 2 | |
| 3 | |
| 4 | Ground G |
| 5 | Output to Pressure Control |
| 6 | Valve (10Ω) Solenoid PR. SOL |
| 7 | Ammeter |
| 8 | Output to Flow Control |
| 9 | Valve (40Ω) Solenoid FL. SOL |
| 10 | Ammeter |
| 11 | Common COM |
| 12 | — |
| 13 | — |
| 14 | -12 V OUT -12 V |
| 15 | Common COM |
| 16 | +12 V OUT +12 V |
| 17 | Common COM |
| 18 | Input Signal for PRES. PR.IN |
| 19 | Input Signal for FLOW FL.IN |
| 20 | +12 V OUT +12 V |

Terminal Board
(Refer to the table
on the right above.)



- ★ 1. Minimum Pressure Setting
- ★ 2. Variable Pressure Range Setting
- ★ 3. Minimum Flow Setting
- ★ 4. Variable Flow Range Setting

DIMENSIONS IN
MILLIMETRES (INCHES)



These power amplifiers can drive two solenoid of 10Ω load simultaneously or separately, and the control can be done in the same way even though the object is separated by pressure system and flow rate system. Although the display of control unit on the front panel is **PRESS** and **FLOW**, they are exactly the same circuit, so there is no distinction between the two system when used.



Model Number Designation

| AME | -D2 | -1010 | -100 | -10 |
|---------------|-------------------|--------------------------|------------------------------------|---------------|
| Series Number | Type of Function | Coil Resistance of Valve | Power Supply | Design Number |
| AME | D2: DC Input Type | 1010: 10 Ω × 2 | 100: 100 V AC 200: 200/220 V AC | 10 |

Applicable to Valve

| Name of Valve | Model Numbers |
|--|-------------------------------|
| Pilot Relief Valves | EDG-01* |
| Relief Valves | EBG-03 EBG-06 EBG-10 |
| Reducing and Relieving Valves | ERBG-06 ERBG-10 |
| 10Ω Series Flow Control Valves | EFG 03 EFCG 06 |
| 10Ω-10Ω Series High Flow Series Flow Control and Relief Valves | EFBG-03 EFBG-06 EFBG-10 |

Specifications

| Model No. | AME-D2-1010-*-10 |
|-----------------------------|--|
| Description | |
| Type of Function | DC Input Type |
| Max. Output Current | 1 A (10Ω Solenoid) |
| Max. Input Voltage | + 10 V DC |
| Input Impedance | 10 kΩ |
| Max. Gain | 1 A / 5 V |
| Dither | Variable 100-300 mA |
| Temperature Drift (Max.) | 0.2 mA / °C |
| Power Supply | 100 V AC, 200/220 V AC ±10% (50/60 Hz) |
| Power Input (Max.) | 120 VA |
| Ambient Temperature | 0-50°C (32-122°F) |
| External Setting Resistance | 1 kΩ |
| Approx. Mass | 4.3 kg (9.5 lbs.) |

Applicable to Piston Pump

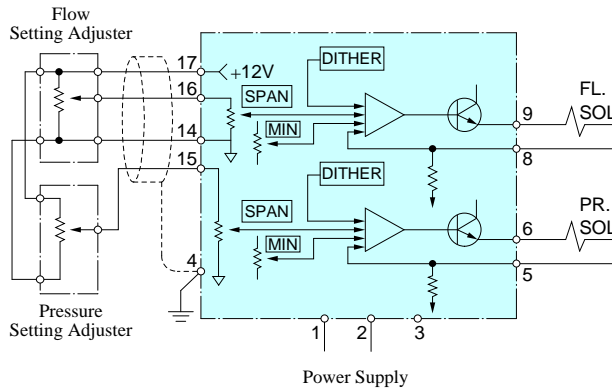
| Name of Pump | Model Numbers |
|--|---|
| "A" Series Variable Displacement Piston Pump | A16 |
| | A22 |
| | A37 *-R-04 |
| | A56 |
| | A70 |
| Proportional Electro-Hydraulic Load Sensing Type | A90 *-R-04 |
| | A145 |
| | Also, double pumps combined with the models listed above and fixed displacement vane pumps. |

Instructions

Power supply for the setting adjuster up to 2 set can be provided from this power amplifier. However, please use the variable resistor or potentiometer of which impedance is 1 kΩ for the setting adjuster.

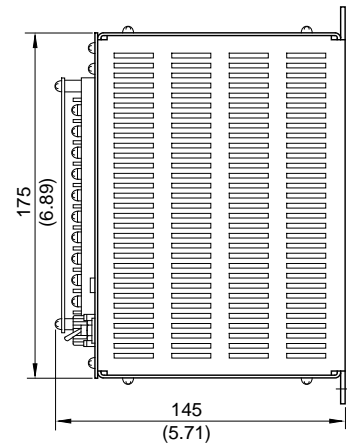
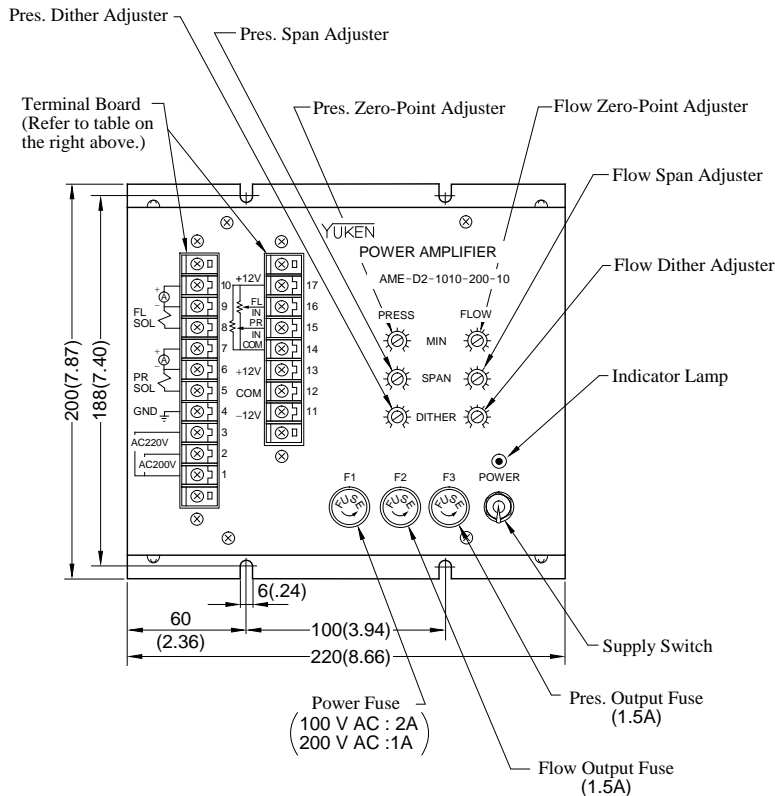
AME-D2-1010-*-10

[Example Diagram]



● Terminal Board

| Terminal Number | Name |
|-----------------|--|
| 1 | Power Supply 100 V AC, 200 V AC: 1, 2 220 V AC: 1, 3 |
| 2 | |
| 3 | |
| 4 | Ground G |
| 5 | Output to Pressure Control |
| 6 | Valve Solenoid PR.SOL |
| 7 | Ammeter |
| 8 | Output to Flow Control |
| 9 | Valve Solenoid FL.SOL |
| 10 | Ammeter |
| 11 | -12 V OUT -12 V |
| 12 | Common COM |
| 13 | +12V OUT +12 V |
| 14 | Common COM |
| 15 | Input Signal for PRES. PR. IN |
| 16 | Input Signal for FLOW FL. IN |
| 17 | +12V OUT +12 V |

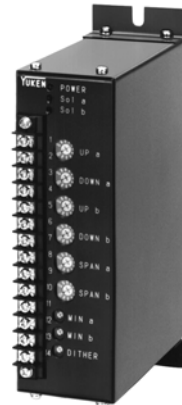


DIMENSIONS IN
MILLIMETRES (INCHES)



■ Model Number Designation

| | | |
|---------------|---------------------|---------------|
| SK1091 | -D24 | -10 |
| Series Number | Power Supply | Design Number |
| SK1091 | D24: 24 V DC | 10 |



■ Applicable to Valve

| Name of Valve | Model Numbers |
|------------------------------------|----------------------|
| Directional and Flow Control Valve | 03 EDFHG-04 06 |

■ Specifications

| Model No. | SK1091-D24-10 |
|-----------------------------|--|
| Description | |
| Max. Output Current | 1 A (10Ω Solenoid) |
| Max. Input Voltage | -10 V DC for SOL a +10 V DC for SOL b |
| Input Impedance | 10 kΩ |
| Max. Gain | 1 A / ±5 V |
| Dither | Variable |
| Delay Time Adjustment Range | 0.15-3 s |
| Temperature Drift (Max.) | 0.2 mA /°C |
| Power Supply | 24 V DC (21-28 V Included Ripple) |
| Required Current | More than 1.5 A |
| Power Input (Max.) | 25 W |
| Ambient Temperature | 0-50°C (32-122°F) |
| Ambient Humidity | Less than 90%RH |
| External Setting Resistance | 2 kΩ |
| Approx. Mass | 1.0 kg (2.2 lbs.) |

■ Instructions

● Power Supply for the Setting Adjuster

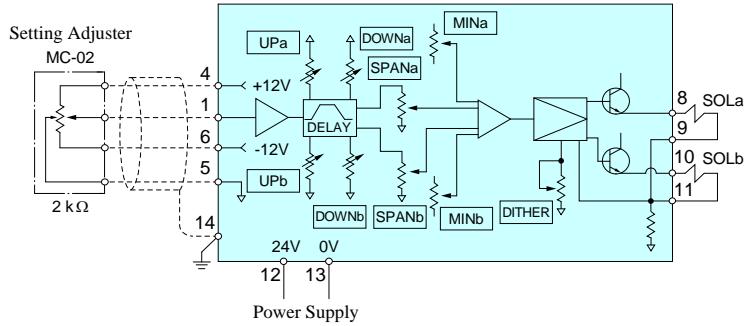
Power supply for the setting adjuster can be provided from this power amplifier, but for only one. However, please use the variable resistor or potentiometre of which impedance is 2 kΩ for the setting adjuster.

● Power Switch

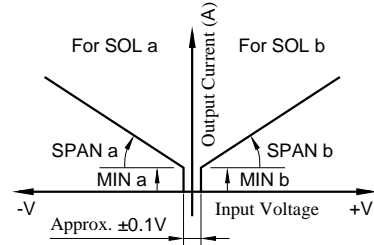
The power amplifier has no power supply switch. As soon as it is connected to a power supply, it comes to be alive. Provide a power switch externally.

SK1091-D24-10

[Example Diagram]



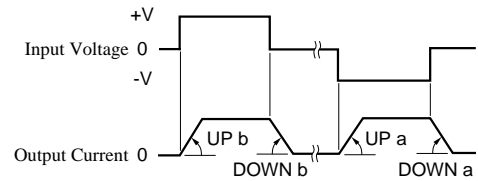
[Input-Output Characteristics]



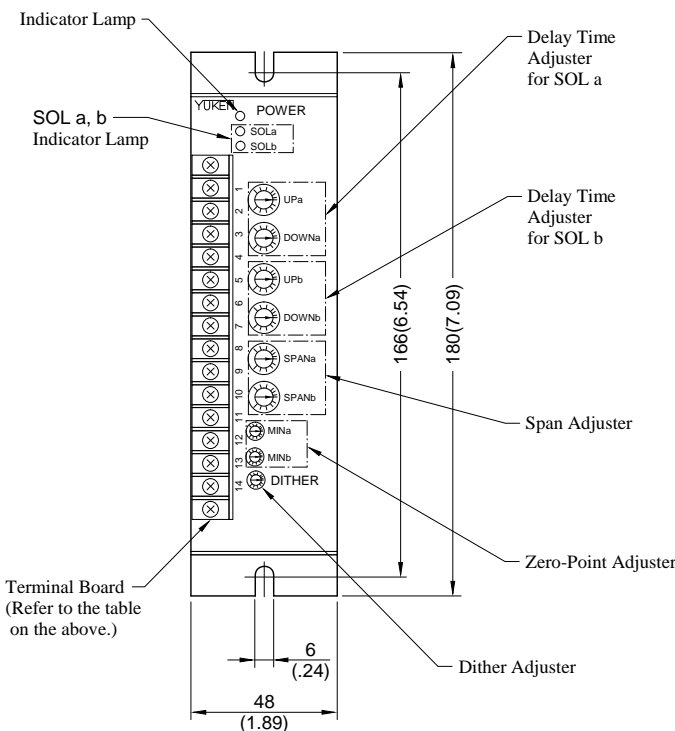
● Terminal Board

| Terminal Number | Name |
|-----------------|--|
| 1 | Input Signal IN |
| 2 | Input Signal COM |
| 3 | — |
| 4 | Power Supply for Setting Adjuster +12V |
| 5 | Power Supply for Setting Adjuster COM |
| 6 | Power Supply for Setting Adjuster -12V |
| 7 | — |
| 8 | Output to Valve Solenoid SOL a |
| 9 | Output to Valve Solenoid SOL b |
| 10 | Output to Valve Solenoid SOL b |
| 11 | Output to Valve Solenoid SOL b |
| 12 | Power Supply 24 V |
| 13 | Power Supply 0 V |
| 14 | Ground FG |

[Delay Function]

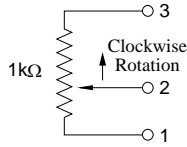


DIMENSIONS IN
MILLIMETRES (INCHES)

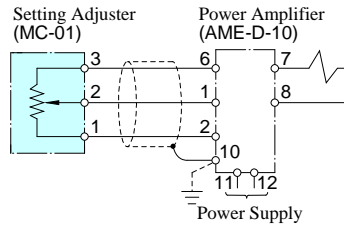


MC-01

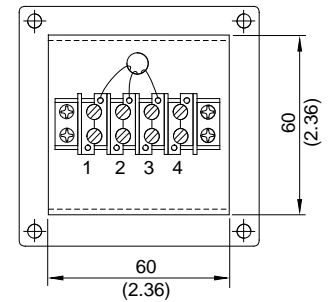
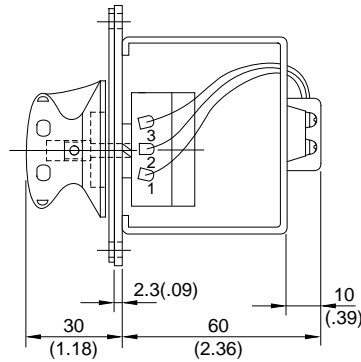
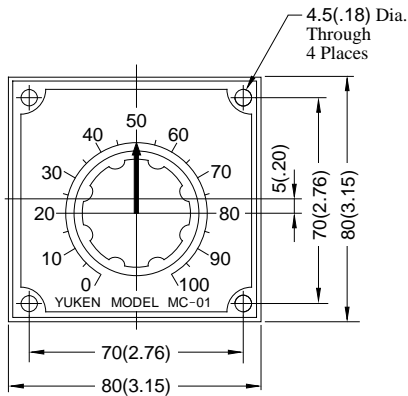
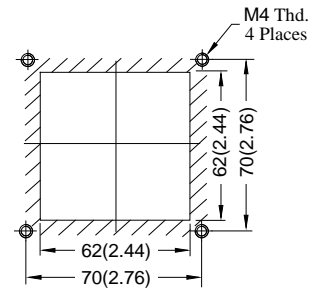
[Electric Circuit]



[Example Diagram]



[Mounting Panel]



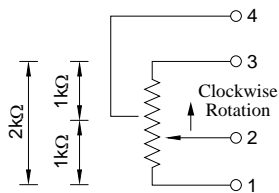
**DIMENSIONS IN
MILLIMETRES (INCHES)**

MC-02

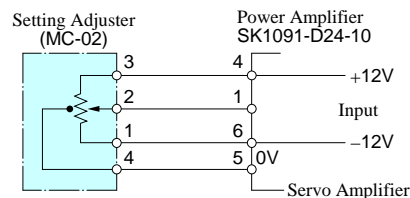
[How to Use]

This setting adjuster is for using positive and negative voltages to the right and left of the zero point. Most suitable for servo systems. Please contact us for usage details.

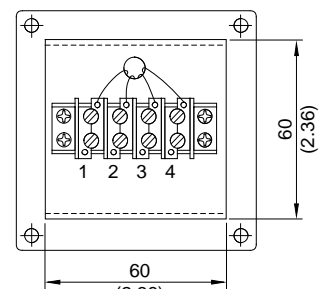
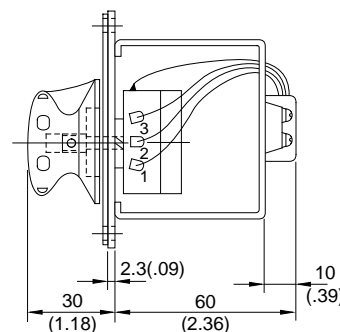
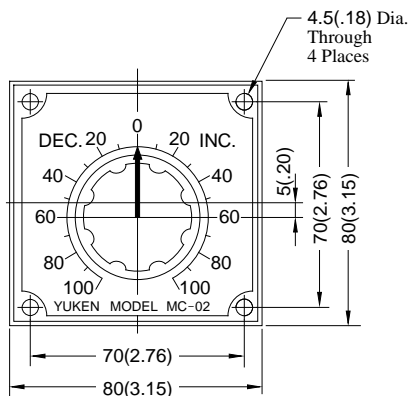
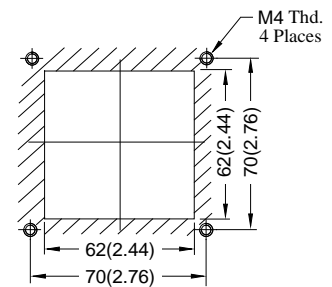
[Electric Circuit]



[Example Diagram]



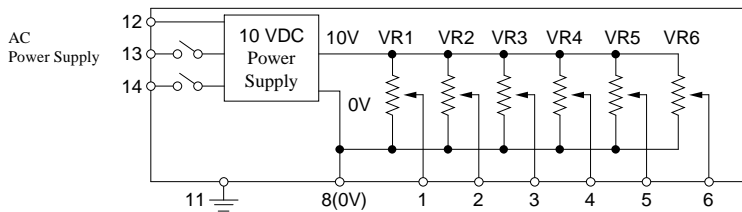
[Mounting Panel]



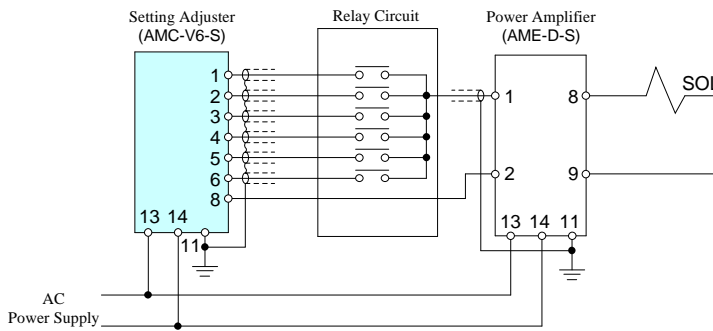
AMC-V6-S-*-10

Power Supply
 100.....100 V AC
 200.....200 V AC
 220.....220 V AC

[Electric Circuit]

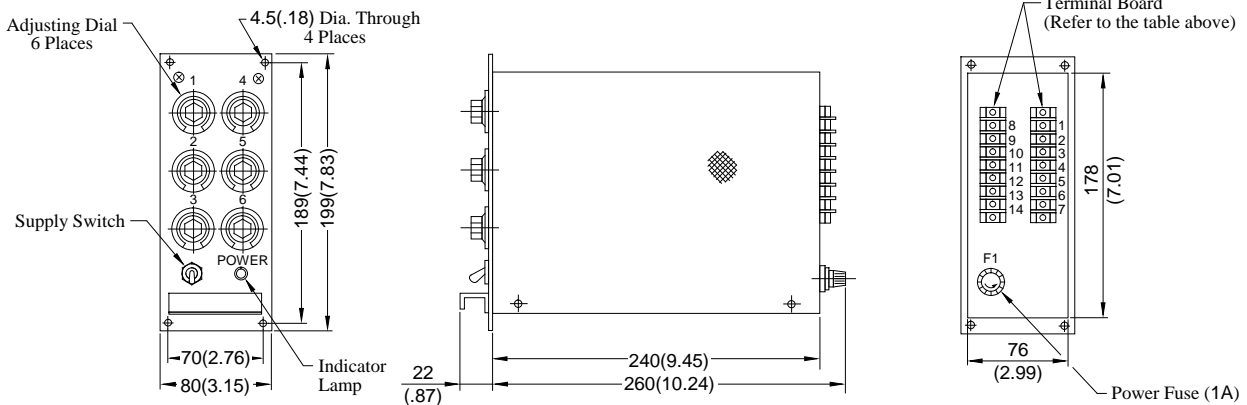


[Example Diagram]



Terminal Board

| Terminal Number | Name |
|-----------------|--------------|
| 1 | 1 OUT (VR1) |
| 2 | 2 OUT (VR2) |
| 3 | 3 OUT (VR3) |
| 4 | 4 OUT (VR4) |
| 5 | 5 OUT (VR5) |
| 6 | 6 OUT (VR6) |
| 7 | — |
| 8 | 0V COM |
| 9 | — |
| 10 | — |
| 11 | Ground G |
| 12 | — |
| 13 | Power Supply |
| 14 | 85-265 V AC |



**DIMENSIONS IN
MILLIMETRES (INCHES)**