

**BEFORE USE ....**

Thank you for choosing us. Before use, please check contents of the package you received as outlined below. If you have any problems or questions with the product, please contact our sales office or representatives.

**■ PACKAGE INCLUDES:**

- Housing.....(1)  
(Components of the housing is explained in "HOUSING ASSEMBLY")
- Mounting bracket set.....(1)  
(bracket, U-bolt, hexagon nuts × 2)
- Mounting frame for MDP series.....(1)  
(attached inside the housing)
- Screws for attaching the MDP series (M4 × 8, included in the housing).....(4)
- Screws for attaching the 8-pin base socket (M4 × 20, included in the housing).....(2)
- Screws for attaching the 11-pin base socket (M4 × 30, included in the housing).....(2)

**■ MODEL NO.**

Confirm Model No. marking on the product to be exactly what you ordered.

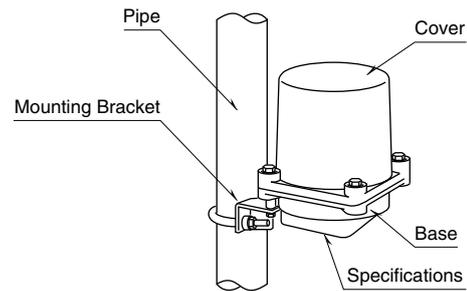
**■ INSTRUCTION MANUAL**

This manual describes how to assemble and install the product.

**POINTS OF CAUTION**

Do not apply adhesive tapes on the coated surface of the housing. If you must, choose one of weak adhesive power. When you peel it off, do so slowly and carefully to protect the coating.

**COMPONENT IDENTIFICATION**



**FUNCTION & FEATURES**

- Used when mounting outdoor the M-RESTER lightning surge protectors or the M-UNIT type signal conditioners (8-pin or 11-pin base socket)
- Cast aluminium alloy
- Weather-proof construction sealed with rubber packing
- Mounted on a 2-inch pipe
- Painted in silver to minimize the internal temperature rise

**HOUSING ASSEMBLY**

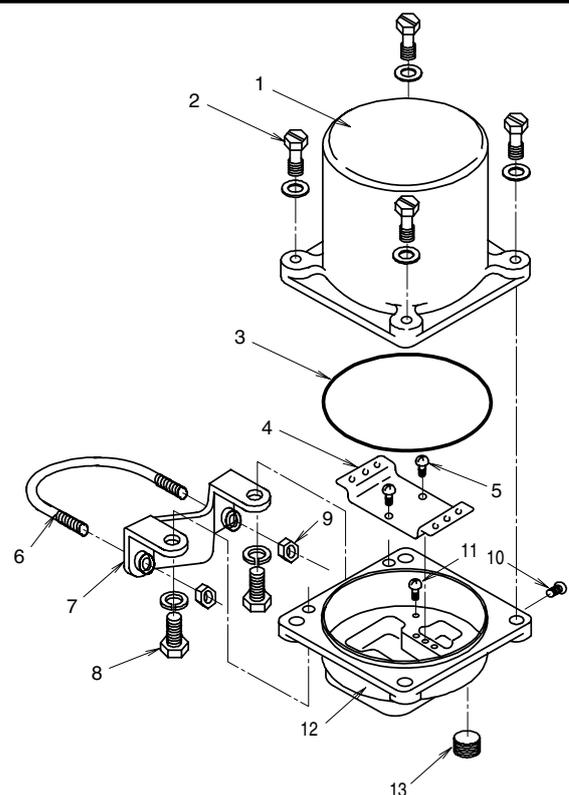
Refer to the section "ELECTRICAL CONNECTIONS" when mounting a signal conditioner or a lightning arrester in the housing.

The BX-W1 can be mounted on a wall or 2-inch pipe. Refer to the section "INSTALLATION".

**■ COMPONENTS:**

- 1. Cover.....(1)
- 2. Hexagon head screws (M8 × 25, with a washer) .....(4)
- 3. O-ring.....(1)
- 4. Mounting frame for MDP series.....(1)
- 5. Screws for attaching the MDP mounting frame (M4 × 8, with a washer).....(2)
- 6. U-bolt (2B, M10).....(1)
- 7. Mounting bracket.....(1)
- 8. Hexagon head screws (M8 × 15, with a washer) .....(2)
- 9. Hexagon nuts (M10).....(2)
- 10. External ground terminal (M4 × 8, with a washer) ....(1)
- 11. Internal ground terminal (M4 × 8, with a washer)\* ...(1)
- 12. Base.....(1)
- 13. Closing cap.....(1)

\* There is not internal ground terminal in 4-conduit type.



## ELECTRICAL CONNECTIONS

Figures in brackets indicate the component reference number shown in "HOUSING ASSEMBLY". Refer to the figure in that section.

### ■ 8-PIN or 11-PIN BASE SOCKET

Remove the mounting frame (4) and attach the base socket to the base (12) with the screws included in the housing. Then connect wires to socket terminals from outside the housing.

For lightning arresters, be sure to connect between their ground terminals and the internal ground terminal (11), and connect the external ground terminal to a grounding bar (approx. 100Ω) with a leadwire of enough physical strength.

After the wiring, attach the signal conditioner or lightning arrester body to the base socket (There is not internal ground terminal in 4-conduit type. Be sure to choose 3-conduit type for 8-pin or 11-pin socket mounted lightning surge protectors).

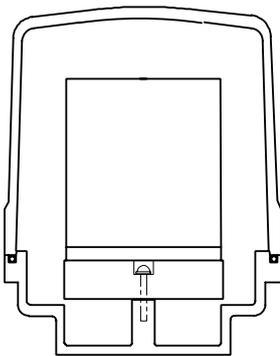
Three or four cable conduits (G 1/2) are provided. Seal around the cables with a sealing ground. Be sure to close the unused conduit with the closing cap (attached to the housing).

### ■ MDP SERIES

Attach the mounting frame (4) to the base (12) with the screws (5), if it is not attached yet (factory attached). Then attach the lightning arrester(s) to the frame with the screws included in the housing.

Wiring procedure is the same as the pin mounted base socket except that the grounding terminal of lightning arrester is automatically connected to the base via the mounting frame (4). There is no need of connecting it to the internal ground terminal.

CROSS SECTION (with 8-pin base socket)



### ■ DIN rail mounting

A DIN rail (50mm width) shall be prepared by the customer. Remove the mounting frame (4) and attach the DIN rail to the base (12) with the screws (5). Then, attach the base socket (or the main unit without base socket) to the DIN rail.

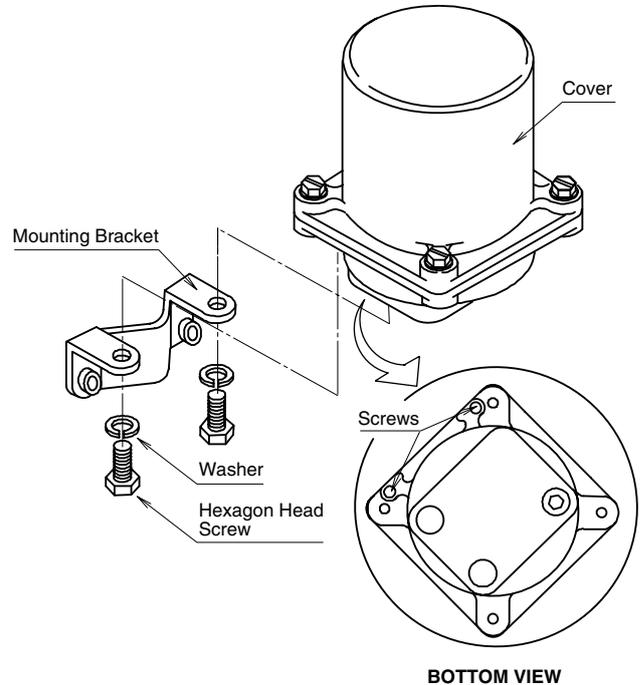
Wiring procedure is the same as the pin mounted base socket. After the wiring is completed, fix the main unit to the base socket.

## INSTALLATION

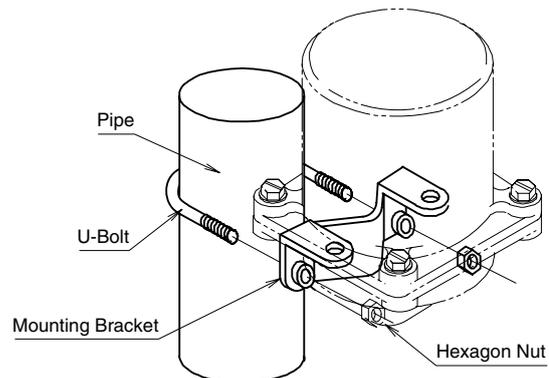
Refer to the figures below.

### ■ INSTALLATION

- 1) Attach the mounting bracket to the housing with the hexagon head screws as shown in the figure below. The positions of screws are shown in the bottom view.

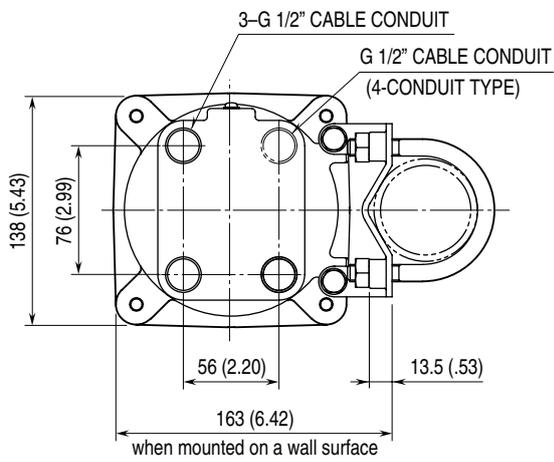
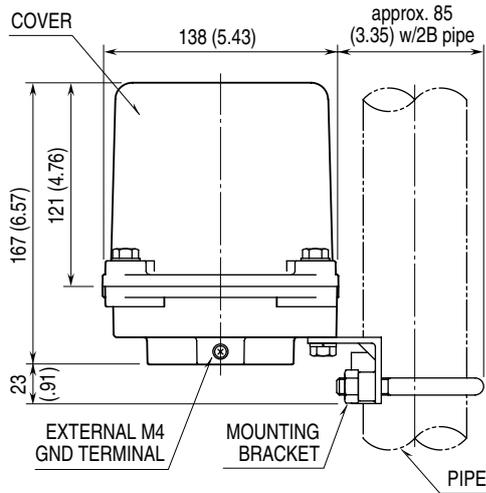


- 2) Attach the mounting bracket securely to the pipe with the U-bolt and the hexagon nuts.
- 3) For wall mounting, attach the mounting bracket to the housing and then to the wall.



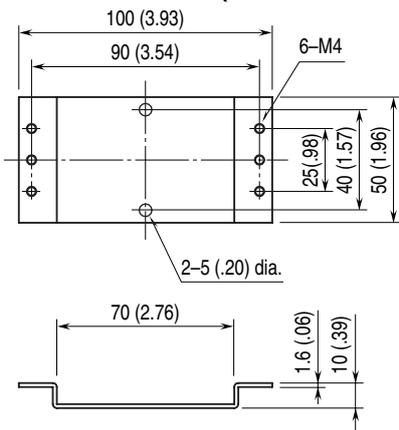
**DRAWINGS** unit: mm (inch)

■ **EXTERNAL DIMENSIONS**



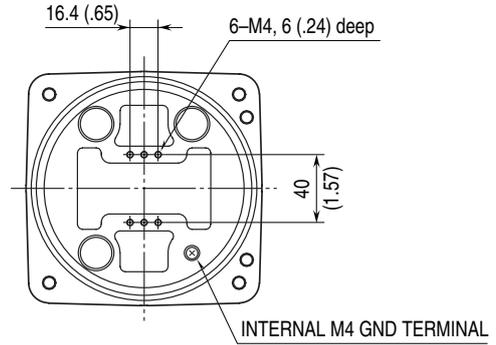
BOTTOM VIEW

■ **MOUNTING FRAME (for MDP Series)**

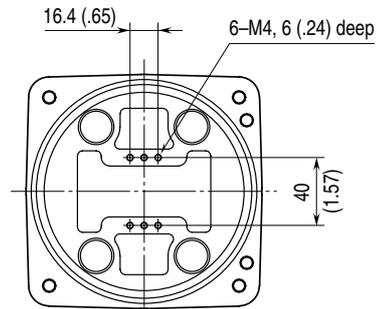


■ **INTERNAL DIMENSIONS**

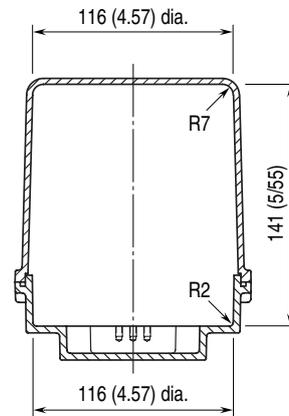
• **3-CONDUIT TYPE**



• **4-CONDUIT TYPE**



TOP COVER REMOVED



■ **MOUNTING REQUIREMENTS**

