

User's Manual

Models AP-PX and AR-WX Outdoor-installed Waterproof Boxes (for a Single Arrester)

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IM 77M02Y01-01E

1st Edition: Aug. 2005 (KP)

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Thank you for purchasing this waterproof box for outdoor installation. To ensure safety, be sure to thoroughly read this User's Manual before using the box, then keep it handy for future reference.

■ Contents of the Package

Check that the package contains the following items:

- AR-PX or AR-WX main unit: 1
- User's Manual (IM 77M02Y01-01E): 1
- M4 screws for mounting an arrester: 2
- Pipe-mounting bracket: 1 – for AR-PX only
- M5 screws, flat washers and spring washers (used to fix the pipe-mounting bracket): 2 pieces each, for AR-PX only
- U-shaped bracket assembly: 1 (one U-shaped bracket and two M8 nuts), for AR-PX only

1. PRECAUTIONS FOR SAFE USE OF THE PRODUCT

The following safety symbol is indicated on the product to ensure safe use.



If this symbol is indicated on the product, the operator should refer to the explanation given in the user's manual in order to avoid personnel injury or death to either themselves or other personnel, and/or damage to the instrument. The manual describes the special care the operator should exercise to avoid shock or other dangers that may result in injury or loss of life.

The following symbols are used only in this manual.



IMPORTANT

Indicates that operating the hardware or software in a particular manner may damage it or result in a system failure.



NOTE

Draws attention to information that is essential for understanding the operation and/or features of the product.

2. MODELS AND SUFFIX CODES

Model _____ **AR-□X/AS**
Mounting method _____
PX : Pipe mounting
WX: Wall mounting
Option code: _____
/AS : Built-in arrester
(must be specified in a separate purchase order)
Blank: No built-in arrester

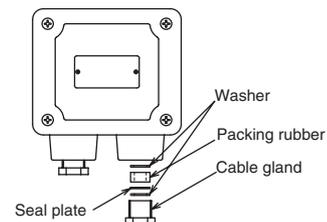
3. MOUNTING METHOD



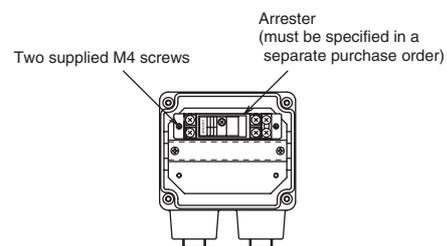
NOTE

After cable routing, carefully perform mounting so that moisture will not enter inside the arrester. Also, be careful not to fasten the cap on the cable gland too tightly as doing so could damage the cable.

- (1) Remove the two cable glands on the box, then remove the seal plate at two places but without removing the washer and packing rubber.
- (2) Route cables from the cable glands to the box. The applicable diameter (outer diameter) of the cable is $\varnothing 9 - 12$ mm.



- (3) Perform mounting using the two supplied M4 screws as shown in the figure below. For wiring, refer to the user's manual of the arrester.
- (4) Connect a protective grounding wire to the external grounding terminal of a box-mounting bracket.



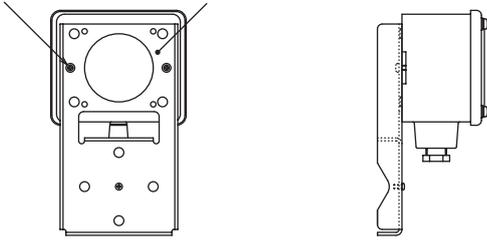
3.1 AR-PX for Pipe Mounting

- (1) Anchor a supplied pipe-mounting bracket onto the box with the supplied M5 screws.

● Fixing the Mounting Bracket

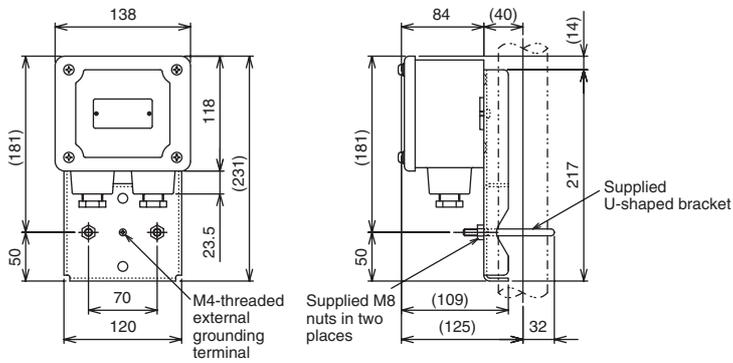
Supplied M5 screws, M5 washers and M5 spring washers in two places

Supplied pipe-mounting bracket

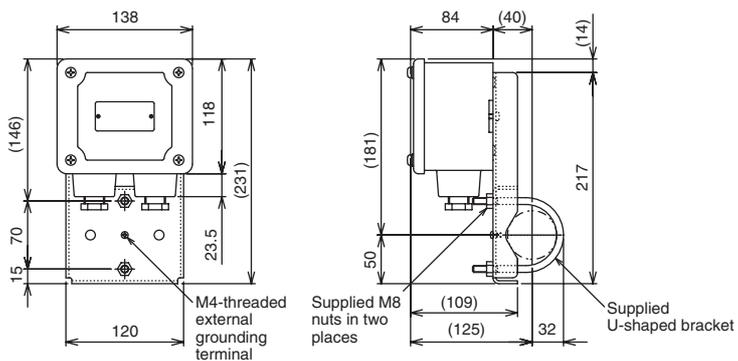


- (2) Mount the box onto the pipe with a supplied U-shaped bracket.

● Vertical Mounting



● Horizontal Mounting



3.2 AR-WX for Wall Mounting

- (1) Mount the box onto the wall with screws on the left and right holes of the wall-mounting bracket.

● Wall Mounting

