

# Installation instructions for HomeWay outlet HW-A1 modular pvd-unit<sup>®</sup>

## 1. Tools

- » HomeWay installation tool for pressing the wires into the IDC (one gratis installation tool in each pack of 10 outlets)
- » Screwdriver
- » Electronic side cutter (recommended: HomeWay side cutter)
- » Cable stripper tool (recommended: HomeWay-ABI70)

HomeWay-installation tool with hook



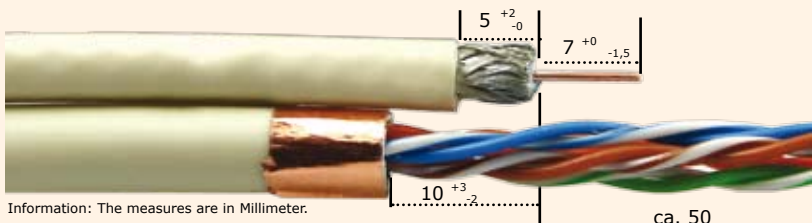
## 2. Preparation of the modular pvd-units<sup>®</sup> for installation

For HW-A1 junction boxes with at least 60mm depth are needed. Maybe boxes with less depth can not contain cable overlength. Pull the cable from the back of the junction box through its openings and cut the cable 100-150mm in front of the wall.

## 3. Preparation of the cable

Separate the data cable from the coaxial cable as far as possible. Strip the cables according to the measures which are shown in the image. Shield contacting of the **data cable**:

- » Strip the cable jacket.
- » Remove the shielding foiles completely and uncover the drain wire.
- » Put a layer of copper strip firmly on the edge of the cable jacket, lay the drain wire over it and fix all with a layer of copper strip.
- » Cut off the overlapping drain wire.



- ! **It is important to prepare the cable exactly according to the measures.**
- ! **The inner conductor may not be longer than recommended. Otherwise the contact spring of the pvd-unit gets damaged.**

## 4. Installation of the pvd-unit

The **RC-terminating resistor** has to be put in the outgoing side of the slot for the coaxial cable.

- ! **A RC-terminating resistor has to be placed. A simple ohmic resistance fits not for satellite applications. Use the RC-resistor HW-X4.**

Put the HomeWay-cable into the slots according to the arrows. Push the inner conductor of the coaxial cable in the therefore designed slot as far as it will go. Put the data cable aside. Now shut the clip over the slot for the coaxial cable. This clip holds the cable and can be screwed firmly.

- ! **Before screwing the clip please check that no wires get jammed.**
- ! **Therefore raise the wires.**

RC-terminating resistor HW-X4



Fig.: Applying the cables

Now inlay the wires according to the color marks. The color of the cable and the color of the slot has to be the same.

- ! **In case of star shape cabling the wires only may be installed in the first of the two slots. Permutation with the second slot causes malfunction.**

**Please keep the twist as far as possible. Lead the cable over the superior part of the clip but not over the screw and not over the arms.**



Fig.: Applying the wires

## Fixing the wires

- » Fix the wires in the belonging slots of the IDC and press the wires with the HomeWay-installation tool into the IDC.

- ! **Conventional IDC-tools cannot be used. Pressing the wires with a screwdriver into the IDC can destroy them.**

## Cutting the overlaying wires

- » Use an electronic side cutter.
- » The wires have to be cut flushly.

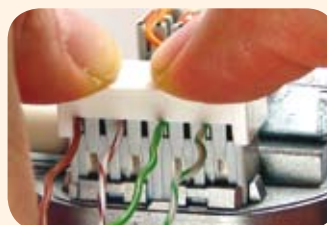


Fig.: Fixing the wires



Fig.: Cutting the overlaying wires

Now the protective cover can be installed on the back of the outlet. In case that the cover just can be put on the outlet under pressure please insure that no wires are stuck under the cover. Open the cover, check for pressure marks and correct the ducting of the wires. The protective cover can be screwed firmly.

As last step the pvd-unit can be installed in the wall. In case there is too much cable overlength it is recommended to twist the cable so that the overlength is pulled back in the wall spirally. If the cabling in the tubes is made professionally it is possible to pull the overlength from the center cautiously back in the wall.

For initial operation of the HomeWay system with the different modules please consult the operating manual or ask our service team.



Fig.: Correctly closed outlet