

Assembly Instructions

for the box and equipment:



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EmiterNet in-door telecom box type PW1Z

EmiterNet indoor telecom box type PW2Z

Markings:

Code: **EM/TSM-PW1Z**

EM/TSM-PW2Z

Note: The way to install and equip the EmitterNet indoor telecom boxes type PWxZ (x indicates the size) is presented below. This manual also includes an example of equipment with connectors required by the Minister of Transport, Construction and Maritime Economy in accordance with the Regulation of 6 November 2012 amending the Regulation on technical conditions to be met by buildings and their location (Journal of Laws of 22 November 2012, item 1289). These connectors are not included with the boxes as standard and are an option for expansion, as required by the designer/user.

Installation of the box:

In hard walls.

1. Make a hole in the wall for mounting the box.
2. Remove the front frame with the door from the box by unscrewing 4 screws (Photos 1 and 1a).
3. If it is necessary to provide the installation cable inlet from the side: cut appropriate holes, using knockouts (Photo 2)
4. Insert the box, level it, fix it permanently using anchors or expansion bolts, or low-pressure mounting foam. The holes located on the sides of the box (Photo 2) or underneath the box (accessible after removing the mounting plate) (Photo 3) can be used for permanent attachment to the surface. You can also drill your own holes.
5. Install the front frame with the door on the box.
6. In the event of supplying 230V electrical power to the box and installing a power socket in the box to, it is recommended to perform the following steps in order to provide additional protection:
 - (a) connect the enclosure base to the protective earthing conductor (at the point of attachment of the mounting plate to the enclosure base, using a thumb screw).
 - (b) make an additional connection from the front door to the protective earthing conductor — using a grounding cord (optional product EM/LIN-PE-25) connect the front door (grounding screw in the door) to the thumb screw in the enclosure base

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(mounting plate attachment - protective earthing conductor connection point)

In plasterboard walls.

1. Cut a hole in the wall for the installation of the box, keeping in mind the depth required for installation (use a drill, if necessary).
2. Screw mounting profiles from the inside, along both sides of the opening (e.g. UW50 or UD30, or, for example, 30mm assembly strip)
3. Remove the front frame with the door by unscrewing 4 screws (Photo 1 and 1a).
4. If it is necessary to provide the installation cable inlet from the side: cut appropriate holes, using knockouts (Photo 2)
5. Insert the box, level it, fix it permanently to the profiles using screws and holes located on the sides of the box (Photo 2)
6. Install the front frame with the door on the box.
7. In the event of supplying 230V electrical power to the box and installing a power socket in the box to, it is recommended to perform the following steps in order to provide additional protection:
 - (a) connect the enclosure base to the protective earthing conductor (at the point of attachment of the mounting plate to the enclosure base, using a thumb screw).
 - (b) make an additional connection from the front door to the protective earthing conductor — using a grounding cord (optional product EM/LIN-PE-25) connect the front door (grounding screw in the door) to the thumb screw in the enclosure base (mounting plate attachment - protective earthing conductor connection point)

Sample installation of optional equipment (the following items are not standard equipment):

1. Remove the socket mounting bracket (Photo 4)
2. Insert ICT, antenna, fibre optic and possibly power cables (including PE conductor) into the box using the holes located at the top or bottom of the enclosure base (Photo 5), or the previously cut side holes (Photo 2).
3. Making cable terminations in the connectors (optional products) - examples:
 - (a) terminate symmetrical pair ICT cables (UTP) with RJ45 sockets Cat. 5e (Class D) (product code, e.g. DCN/TS-868K-8-C5E) (Photo 6); mount RJ45 sockets directly in the mounting bracket in the keystone socket holes;
 - (b) terminate the coaxial (antenna) cables with F-type connectors; install professional F-type socket adapters (product code EM/GN-F/F) in the mounting bracket, connect coaxial cables terminated with F-type connectors to the sockets;
 - (c) mount the fibre optic cassette (optional product EM/KAS-SW) (Photo 7) on the

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- mounting plate; splice the patchcords/pigtails with SC/APC connectors, fix the fibres and splices in the cassette, close the cassette; mount the SC/APC duplex fibre optic connector (product code BK/104ADS20) in the mounting bracket (Photo 8), connect the fibre optic cables to the connectors; stick a 'laser' warning sticker (e.g., product code EM/NAK-TRSW-90) on the mounting bracket next to the fibre optic connectors.
4. Replace the mounting bracket on the mounting plate.
 5. Fix the 230V power socket (e.g. single LE/782417 or double SCH/WDE001040) in the box; connect the power cable (Photo 9).
 6. Mount active or passive equipment on a perforated mounting plate using cable ties or sheet metal screws (Photo 10).

If the electrical power is provided inside the box:

1. All electrical circuits must be insulated, e.g., the electrical circuit provided must be terminated in a standard surface-mount single or double socket, fixed to the enclosure wall, providing insulation against direct contact.
2. The electrical circuit provided should be protected by a residual current circuit breaker with a tripping current of 30mA and AC characteristics or selected as per the specification of the loads installed in the box.
3. Connect enclosure base and the front door to the protective earthing (PE) conductors of the building (according to the information provided in the description of the box installation process).

The above instructions do not exclude the need for other means of protection against direct contact and electric shock resulting from other standards and regulations, depending on the installation performed by the installer.

In the case of installation of indoor telecom boxes with the power supply provided, the installation should be carried out by persons with the qualifications required by the relevant regulations.

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Photo 1



Photo 1a



Photo 2



Photo 3



Photo 4

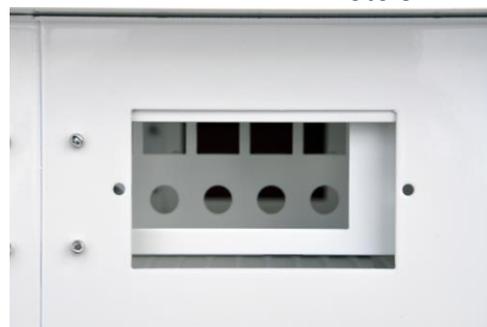


Photo 5

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Photo 6

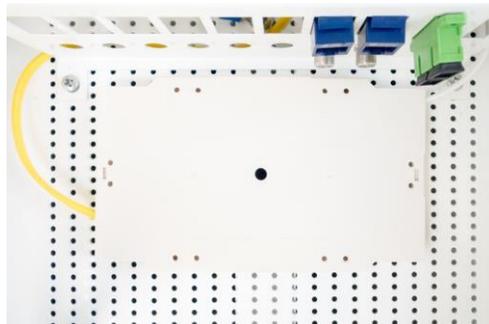


Photo 7



Photo 8



Photo 9

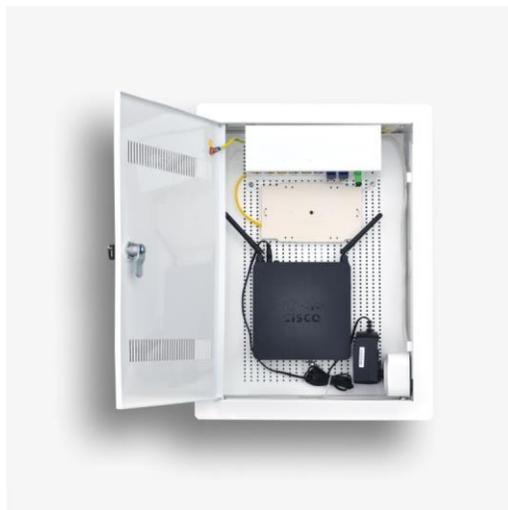


Photo 10