

Control panel for setting
and monitoring of the
UTI-INV-xxx internal
temperature regulator

INSTALLATION MANUAL

UTI-IQCP
Control Panel



IMPROMAT
KLIMA

APPLICATION

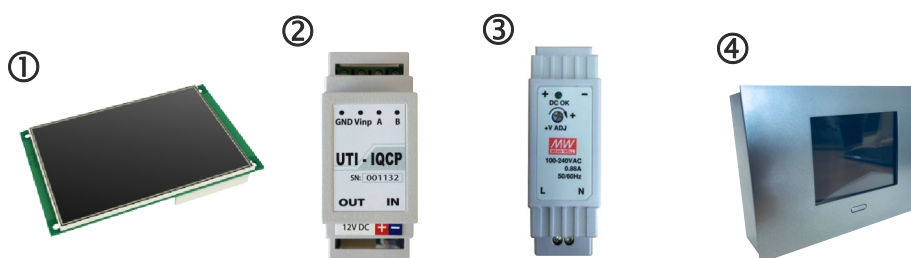
The UTI-IQCP Control Panel (hereinafter referred to as “the panel”) is used for the user and service setting and monitoring of the UTI-INV-xx module (hereinafter referred to as “the module”). The set is suitable for simple cooling and heating systems using the Fujitsu-General inverter outdoor units.

The compliance with installation instructions provided in this documentation is necessary to ensure the technical parameters and reliable operation.

All assembly work associated with installing and connecting the module may be performed only by a person with qualifications in the field of installation and servicing of Fujitsu air conditioning systems licensed to work on electrical and cooling equipment.

STANDARD AND OPTIONAL PARTS

1. Control panel UTI-IQCP
2. Connecting adaptor
3. Power supply



OPTIONAL:

4. Plastic cover (silver)

PLACEMENT

The module with IP20 protection is designed for indoor use. The outdoor switch board installation is also possible, provided the place is well protected against the climatic influences.

INSTALLATION

CAUTION!

Make sure the device is disconnected from the main power supply before assembly!

WARNING!

- Make sure that the connection works were carried out exactly according to the description!
- Incorrect wiring of the connecting cables can cause damage to the electronic components.
- Failure to comply with specifications for interconnecting wiring can reduce the reliability and resilience of the equipment against electromagnetic interference from other appliances.
- If the control panel is located separately from other electronics, the connecting cable should be routed away from other electrical wiring. It must not run parallel to any power cables!
- The GND terminals of the converter and the control panel must not be connected to other circuits (eg. with neutral (N), with BMS circuits etc.).

WIRING

1. Connect the adaptor

Connect the UTI-IQCP adaptor to the system connector on the UTI-INV-xxx module. Connect the red cable of the adaptor to the (+) terminal of the power supply unit, and the blue cable to the (-) terminal.

2. Connect the power supply

Place the power supply closest to the UTI-INV-xxx module. Connect the **L** and **N** terminals of the power supply to the **L** and **N** terminals on the UTI-INV-xxx module (supply from the outdoor unit).

Warning!: Output voltage of the power supply is set at the factory. In order to secure the control panel's functions, never change this setting!

3. Connect the control panel

Use a 4-strand cable to connect the control panel. Use a shielded cable (2x twisted pair), if the distance from the adaptor to the panel is longer than 0.5 m. Connect the cable according to the following scheme:

- Connect the **A** and **B** terminals (communication) of the control panel with the **A** and **B** terminals of the adaptor using one pair of the twisted shielded cable.
- The second twisted pair (supply of the panel) connects the **GND** and **Vinp** terminals of the panel with the **GND** and **Vinp** terminals of the adaptor.
- Connect the shielding of the cable to the GND terminal of the adaptor. Maximum length of the cable is **50 m**.

