

SWITCHGEAR FOR HEATING AND COOLING UNITS **STAVOKLIMA**
Installation and operation manual

UNIREG HC/HP model



EN



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Explanation of symbols used

 <p>Instructions for mechanical repairs and maintenance.</p>	 <p>Important safety information, technical information, data and device output.</p>
 <p>Important electric information - read carefully - unit damage hazard in case of wrong installation.</p>	 <p>Important information - please read carefully.</p>

2. Safety measures



The switchboard has been manufactured in line with the government decrees and Czech standards harmonized with the EU regulations mentioned in the manufacturer's declaration of conformity.

The above mentioned product complies with the following standards:

ČSN EN 60335-1 ed.3	ČSN EN 60335-2-30 ed. 3
ČSN EN IEC 61000-6-2 ed. 4	ČSN EN 61000-6-3 ed. 2

The above mentioned product complies with the following directives:

- Directive 2009/125/EC of the European Parliament and of the Council establishing a framework for the setting of eco-design requirements for energy-related products.
- Government Decree No. 118/2016 Coll. Directive 2014/35/EU of the European Parliament and of the Council on the harmonisation of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits.
- Government Decree No. 117/2016 Coll. Directive 2014/30/EU of the European Parliament and of the Council on the harmonisation of the laws of the Member States relating to electromagnetic compatibility.
- Government Decree No. 481/2012 Coll. (Regulation of the European Parliament and of the Council No. 2014/35/EU, Regulation of the European Parliament and of the Council No. 2011/65/EU).
- Government Decree on restriction the use of some hazardous materials found in electrical and electronic products.

Observe generally applicable national provisions and other related regulations. Unplug the unit from mains before any service intervention. Connection and earthing of the electric device or components thereof must be in line with laws applicable in the country of use. Only qualified staff may carry out any electric service works.



Observe applicable laws, in particular:

- on safety of electric and thermal appliances,
- on central heat distribution systems,
- on fire safety.

3. Description of switchboard

- suitable for wall-mounting,
- designed for controlling of Stavoklima heating and cooling air units with EC fans,
- the switchboard is fitted with DITRONIC 2.0 controller,
- electric components for curtain control with accessories housed in plastic cabinet with ventilation holes,
- fitted with circuit breakers and performance components,
- the switchboard needs to be operated with DITRONIC Touch EC controller; otherwise, it is not operational.

Type of control	UNIREG – DIT 2-HC/HP	UNIREG – DIT 2-HC/HP 400V
Designed for max unit(s) current	14 A	6 A
Unit power supply	230 V	400 V
Control signal	0-10 V	
Revolutions control levels	0-100 %	
IP rating	IP 20	
Dimensions (length x width x height)	300x400x170 mm	

4. Function of the switchboard

- It allows use of all functions of the DITRONIC Touch EC controller to be described in a separate document.
- The units with EC fans may be controlled by continuous control 0-100% using the DITRONIC Touch controller or using the MODBUS system.
- Output for control of electrothermic 2-way 24VDC valve.
- Spatial and outdoor sensors need to be connected for proper operation.
- Outdoor sensor – connect terminal 74 and 75 to DITRONIC 2.0 controller. The sensor senses outdoor temperature.
- The room sensor – connected to terminal 78 and 79 to the regulator DITRONIC 2.0. The sensor detects the temperature in the room.

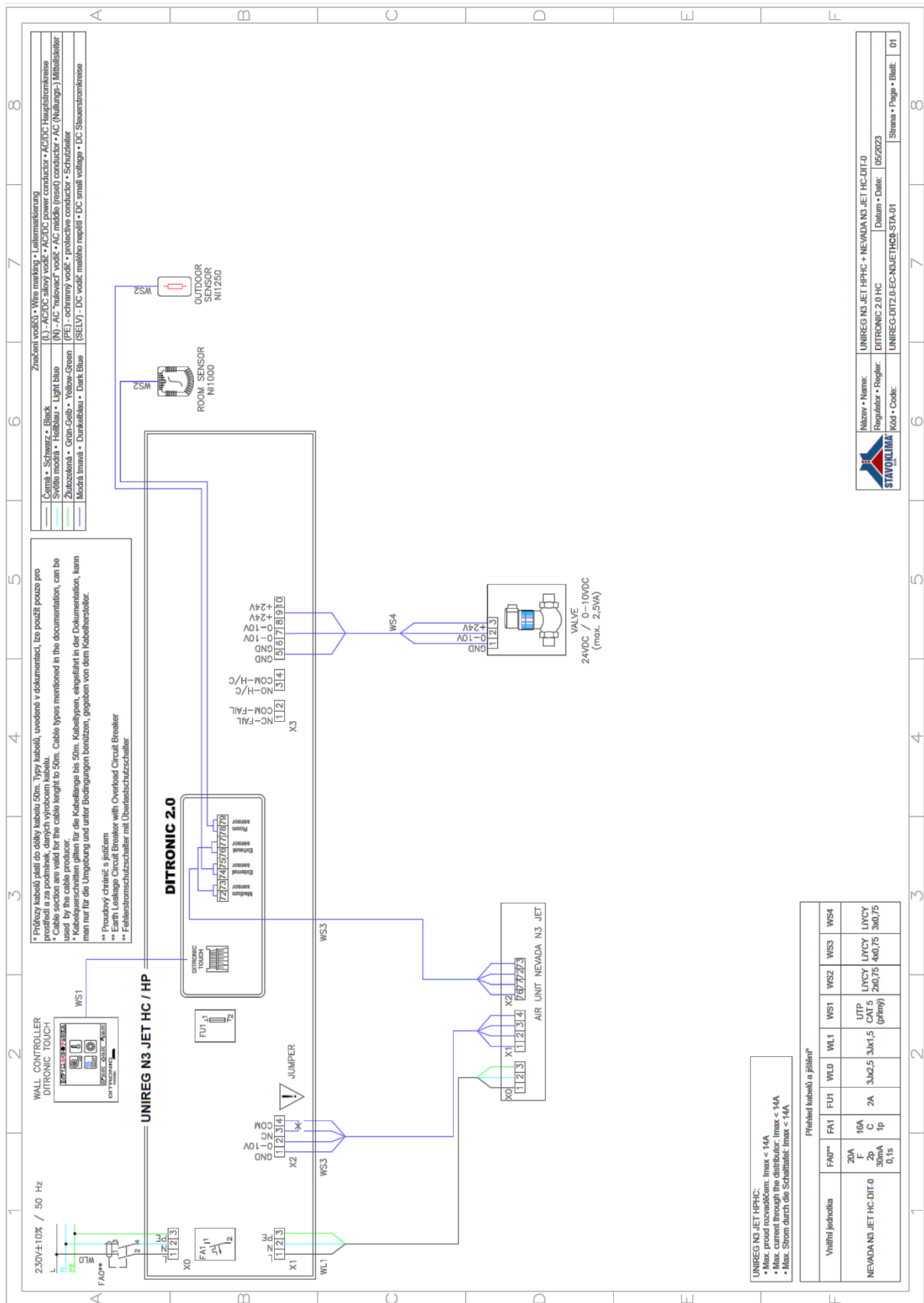
5. Operation of the switchboard

- The ambient temperature must range between 10 and 35 °C.
- Designed for industrial environment.

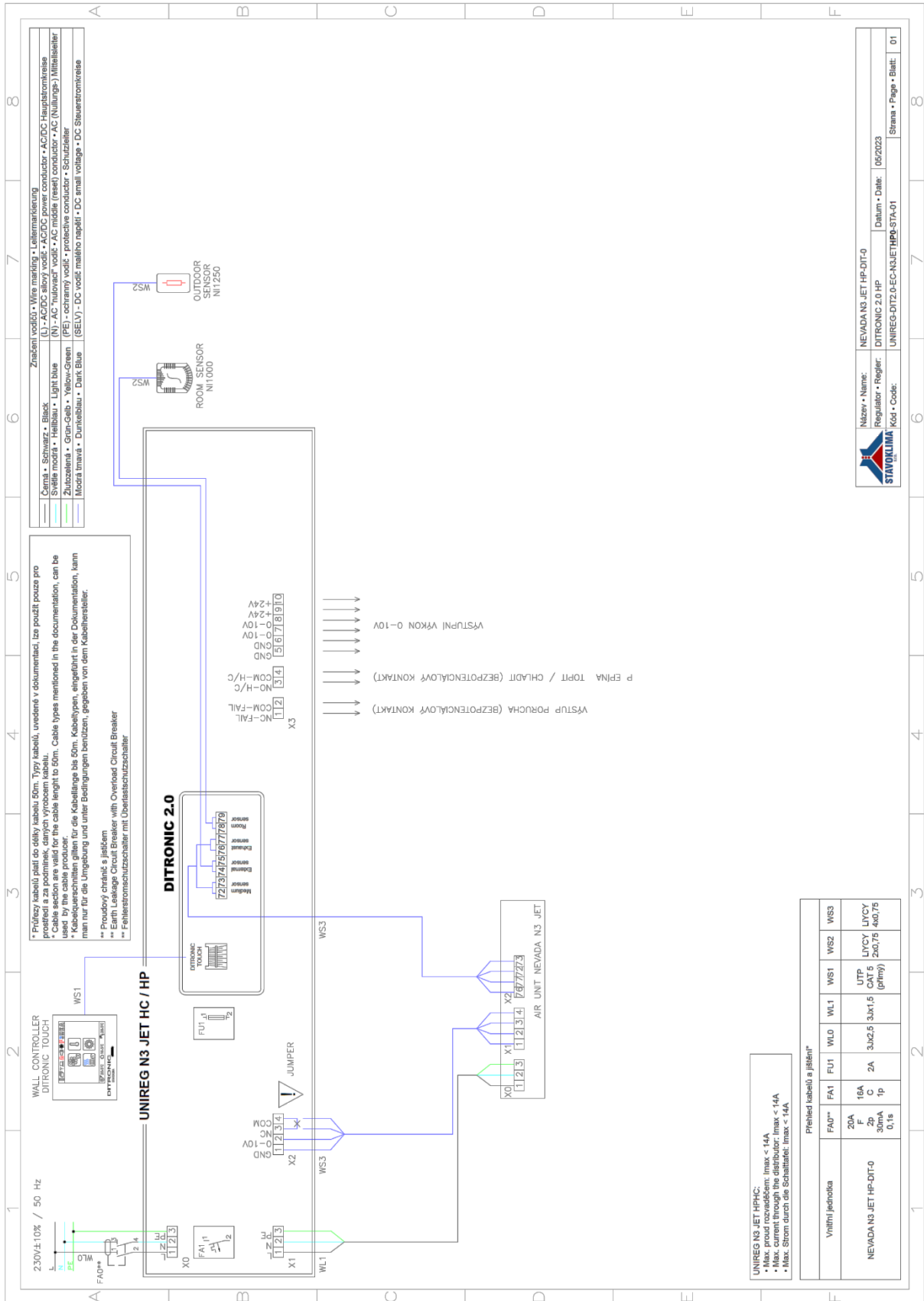


Before any work with the unit, disconnect the electric power at the main circuit-breaker. Electric shock hazard!!

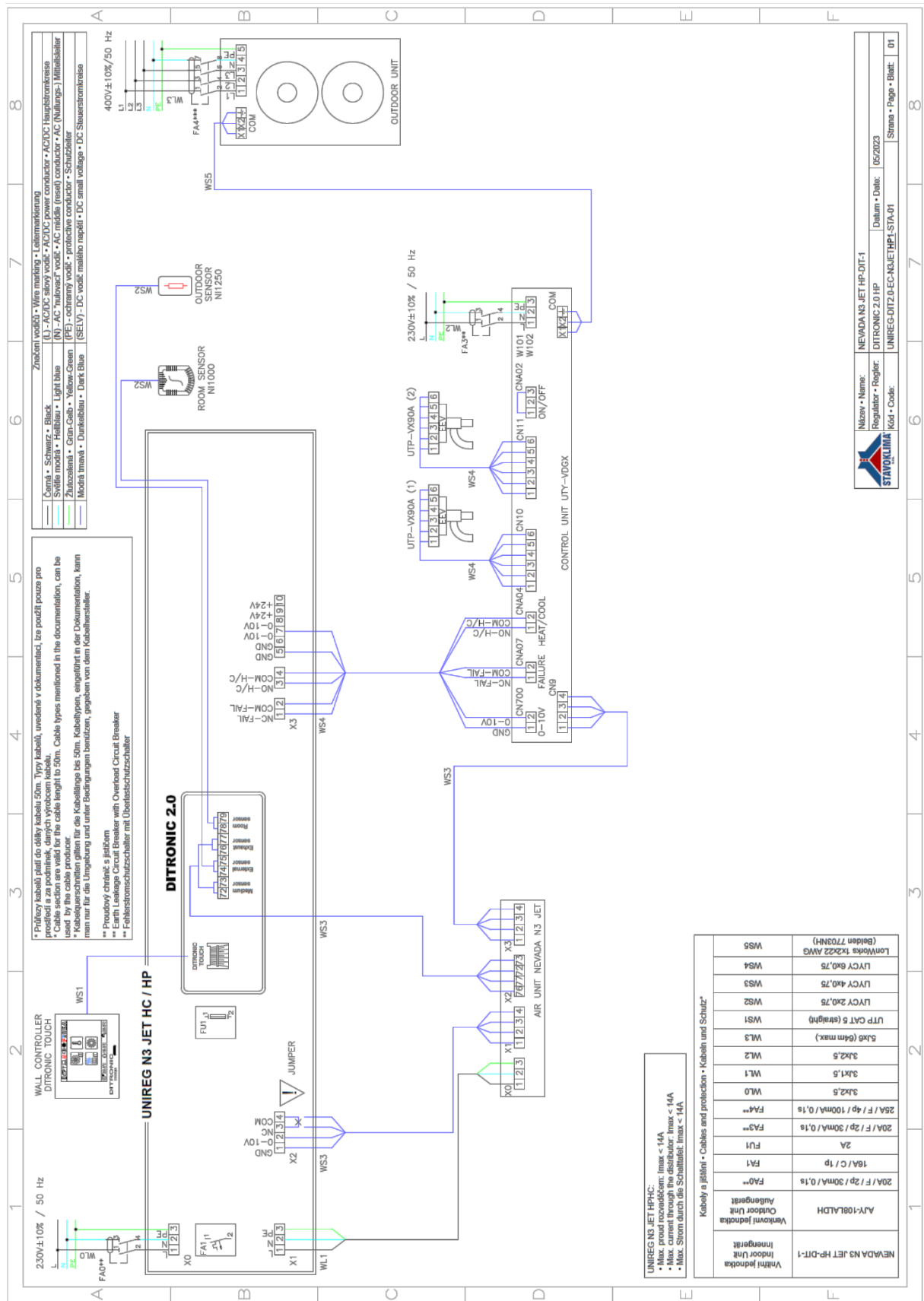
6. UNIREG-DIT2.0-EC-N3JETHC0 switchboard wiring scheme



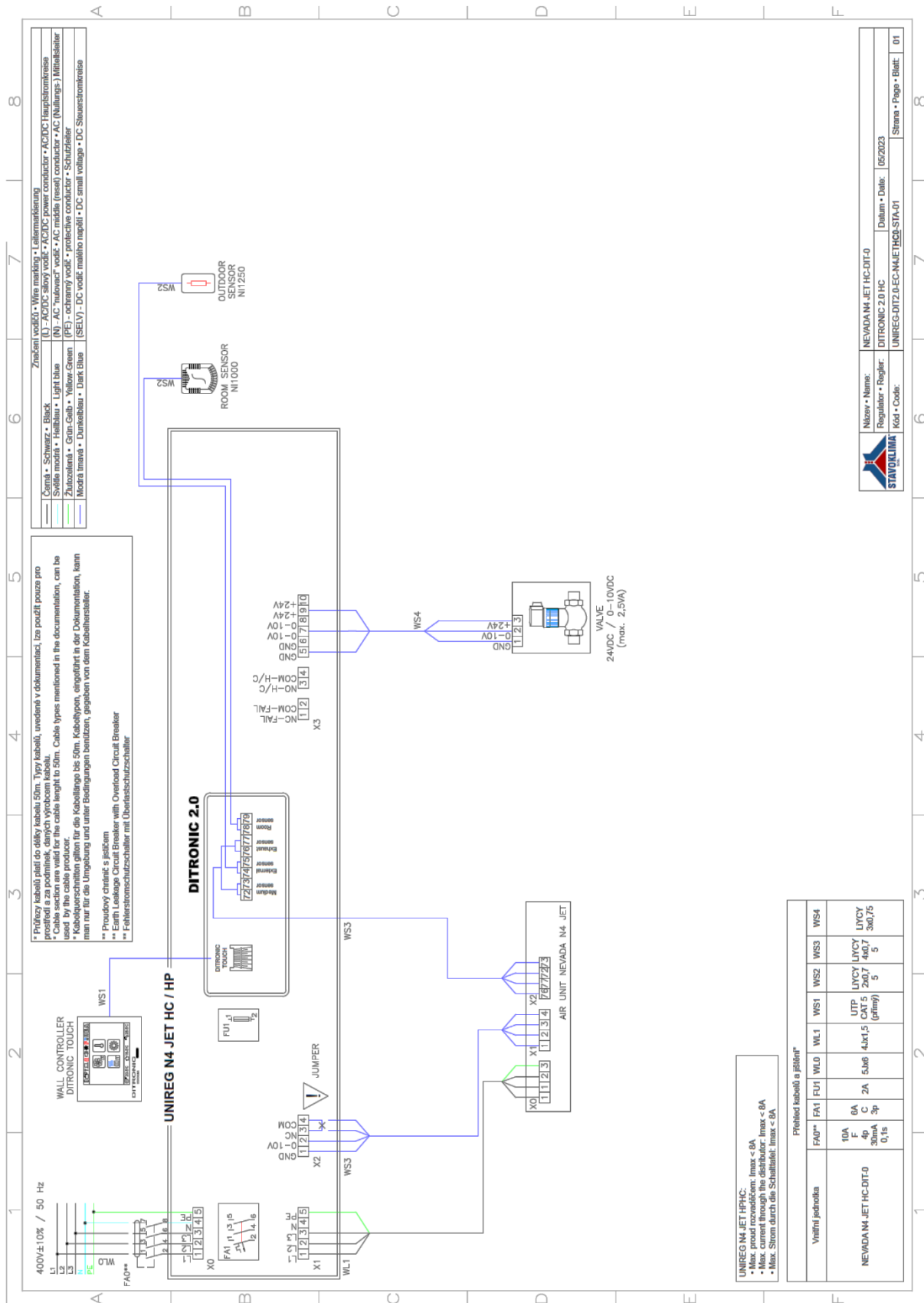
7. UNIREG-DIT2.0-EC-N3JETHP0 switchboard wiring scheme



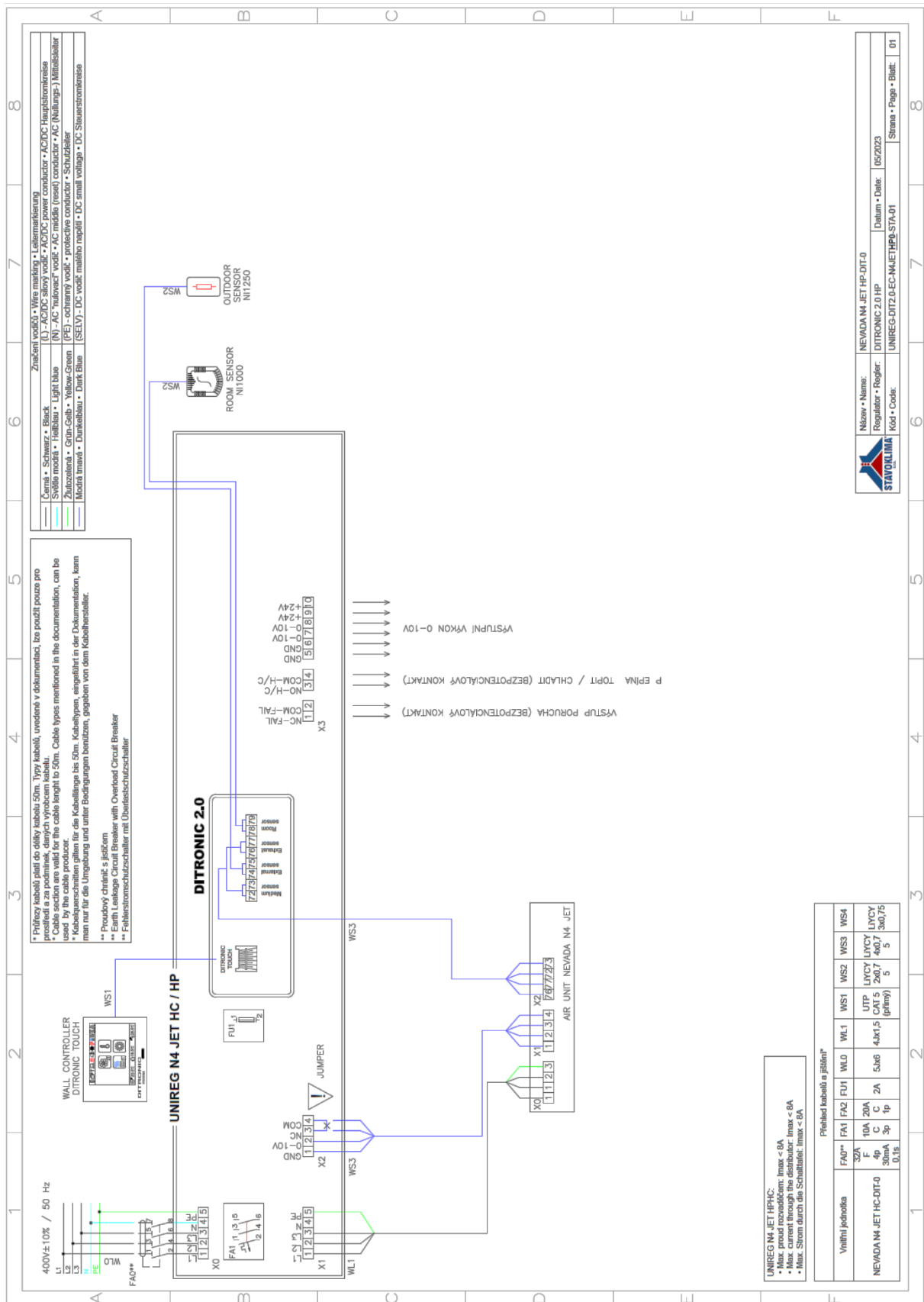
8. UNIREG-DIT2.0-EC-N3JETHP1 switchboard wiring scheme



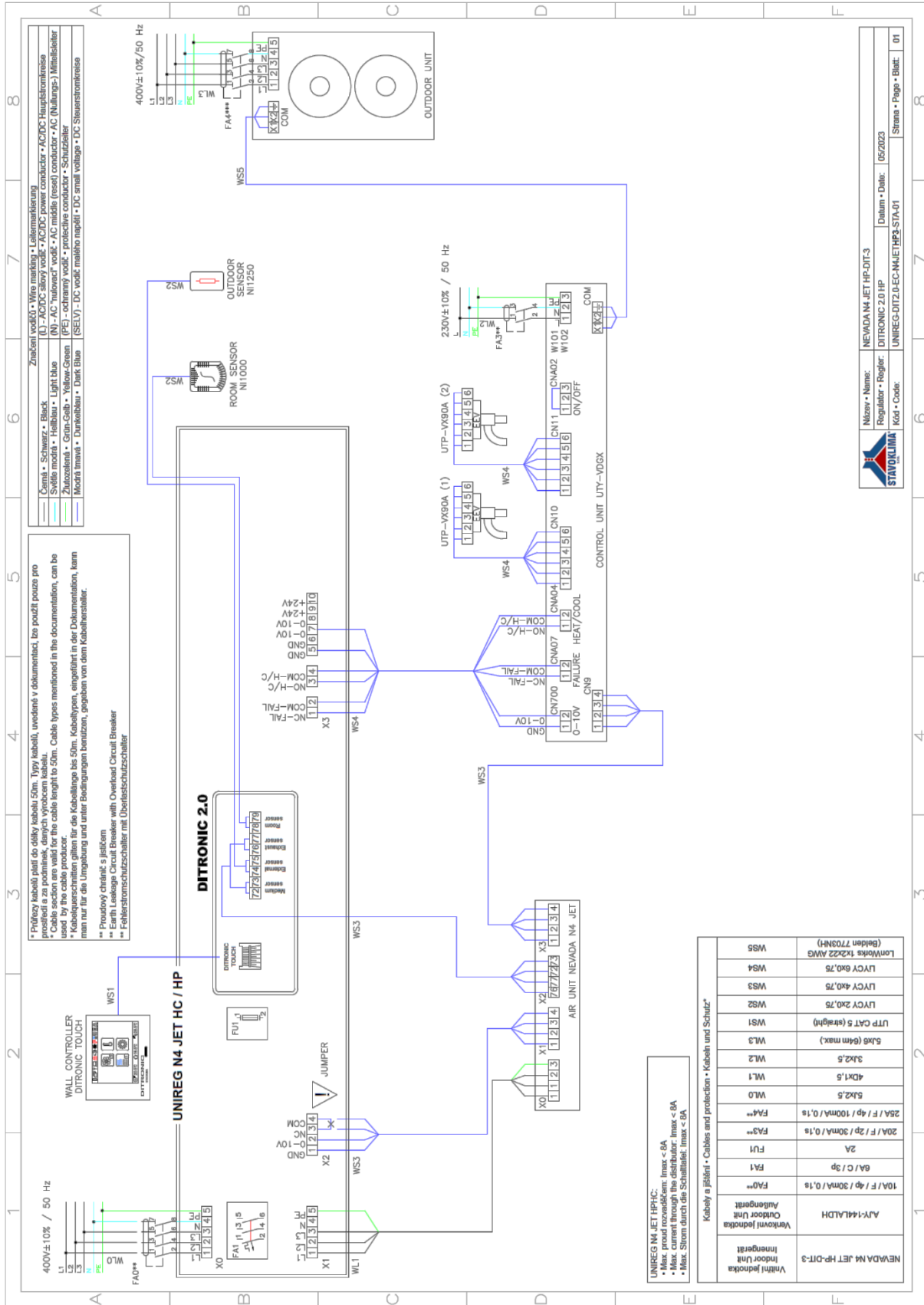
10. UNIREG-DIT2.0-EC-N4JETHC0 switchboard wiring scheme



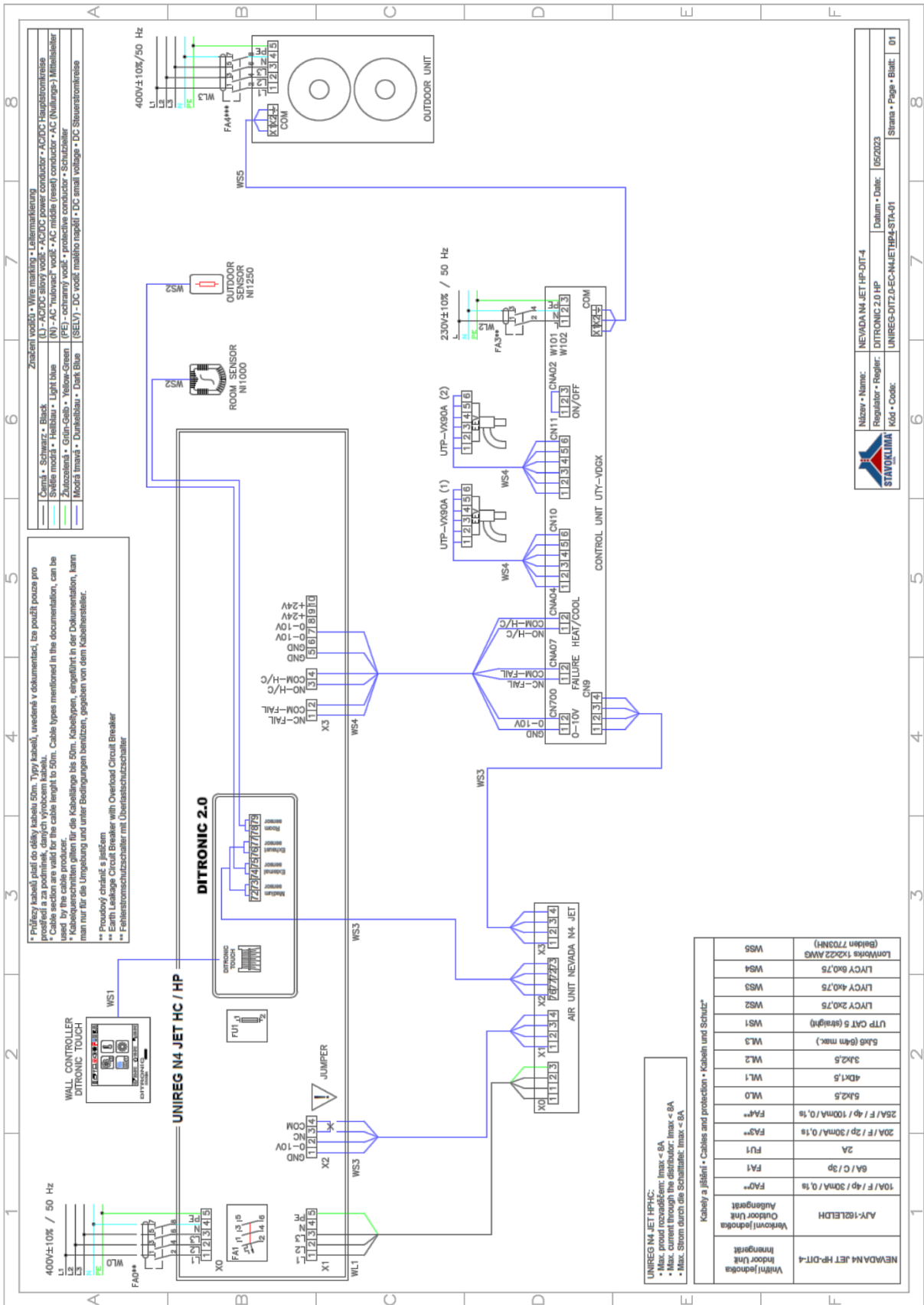
11. UNIREG-DIT2.0-EC-N4JETHP0 switchboard wiring scheme



12. UNIREG-DIT2.0-EC-N4JETHP3 switchboard wiring scheme



13. UNIREG-DIT2.0-EC-N4JETHP4 switchboard wiring scheme



14. Decommissioning – disposal



After the expiration of the service life, the switchboard must be disassembled and disposed of. Only qualified company may disassemble the device. The product or components thereof must be disposed in environmentally-friendly manner at the end of its service life.

The components of the unit must be separated and sorted out by type of material for disposal. Dispose of the metal and plastic components at your local collection yard. The transport packaging of the product is made of common recyclable material (paper, polyethylene, wood) and is labelled as such according to ČSN 77 0052-2.

As far as disposal is concerned, it is operator's responsibility to comply with applicable national provisions in the country of use. In addition, follow regulations and laws of your country applicable to waste disposal. Separated collection and recycling of the products may help to protect environment and human health.



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