

INDUSTRIAL CURTAIN SWITCHBOARD **STAVOKLIMA**  
Installation and operation manual

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# UNIREG-DIT-A model DIT EC

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.

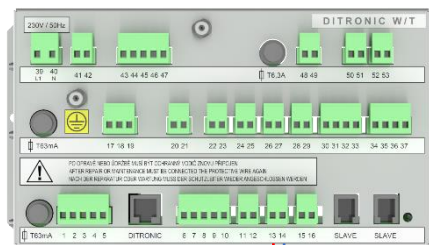
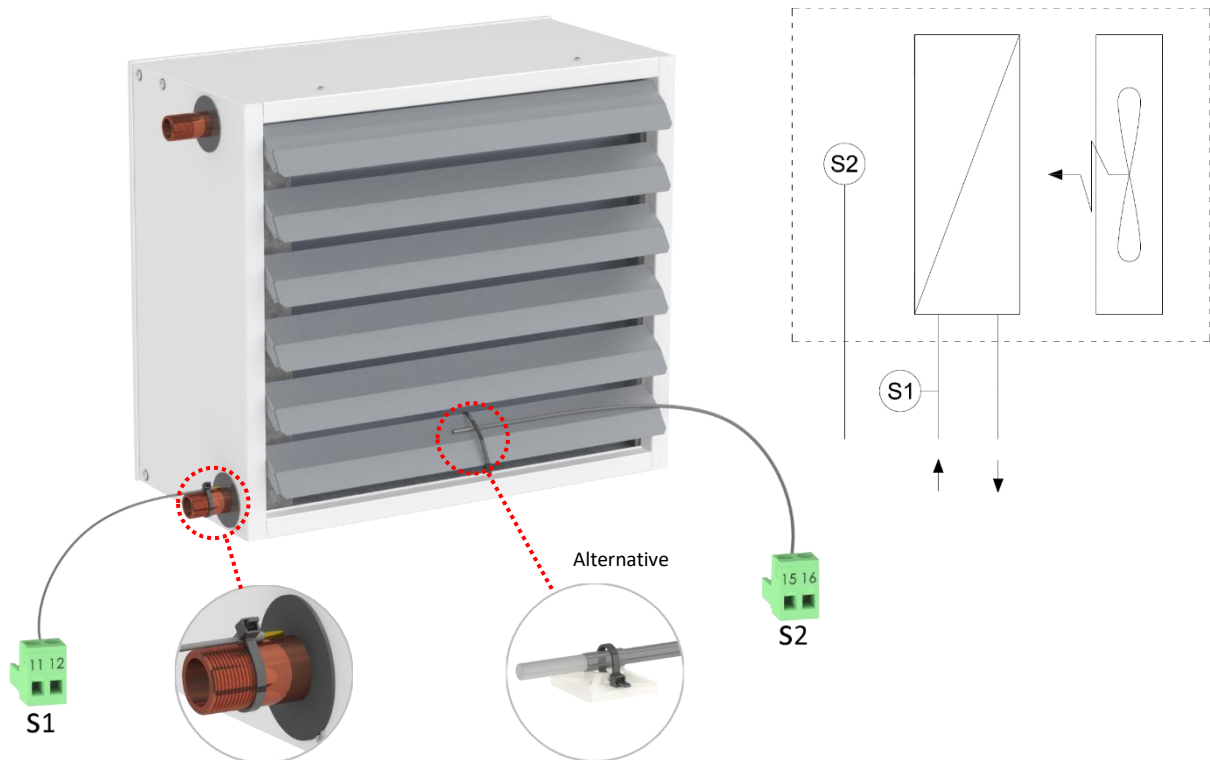
## 3. Description of switchboard

- suitable for wall-mounting,
- designed to control hot water Stavoklima air units with 230V AC or EC fans,
- the switchboard is fitted with DITRONIC WT or DITRONIC EC 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 controller; otherwise, it is not operational.

Type of control	UNIREG – DIT-A					UNIREG - DIT EC
	4,5	6	9	14	30	
Designed for max curtain(s) current	4,5 A	6 A	9 A	14 A	30 A	14 A
Unit power supply	230 V					230 V
Control signal	-					0-10 V
Revolutions control levels	0-1-2-3					0-100%
Revolutions control levels	IP 20					IP 65
Dimensions (length x width x height)	300x400x170 mm			400x600x210 mm		300x400x170 mm

## 4. Function of the switchboard

- It allows use of all functions of the DITRONIC Touch controller to be described in a separate document.
- The variant for the units with AC fans may be controlled by DITRONIC Touch controller with 3-level option setting to which a superior external system (BMS) may be then connected, which is controlled by analogue or digital control, or using the MODBUS system.
- The variant for the units with EC fans may be controlled by continuous control 0-100% using the DITRONIC Touch controller, to which a superior external system (BMS) may be then connected with 0-10V control signal, or MODBUS system.
- Output for control of electrothermic 2-way or 3-way 230V “NO” valve.
- Option for connection of a room thermostat and a room contact (SELV potential-free contact), if enabled in DITRONIC Touch.
- The medium sensor – connected to terminal 11 and 12 to the regulator DITRONIC and the sensor connected to the medium supply (S1).
- The room sensor – connected to terminal 13 and 14 to the regulator DITRONIC. The sensor detects the temperature in the room.
- The outlet sensor – connected to terminal 15 and 16 to the regulator DITRONIC and The sensor is placed to the outlet space (S2).



Connecting the room sensor



## 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. Decommissioning – disposal



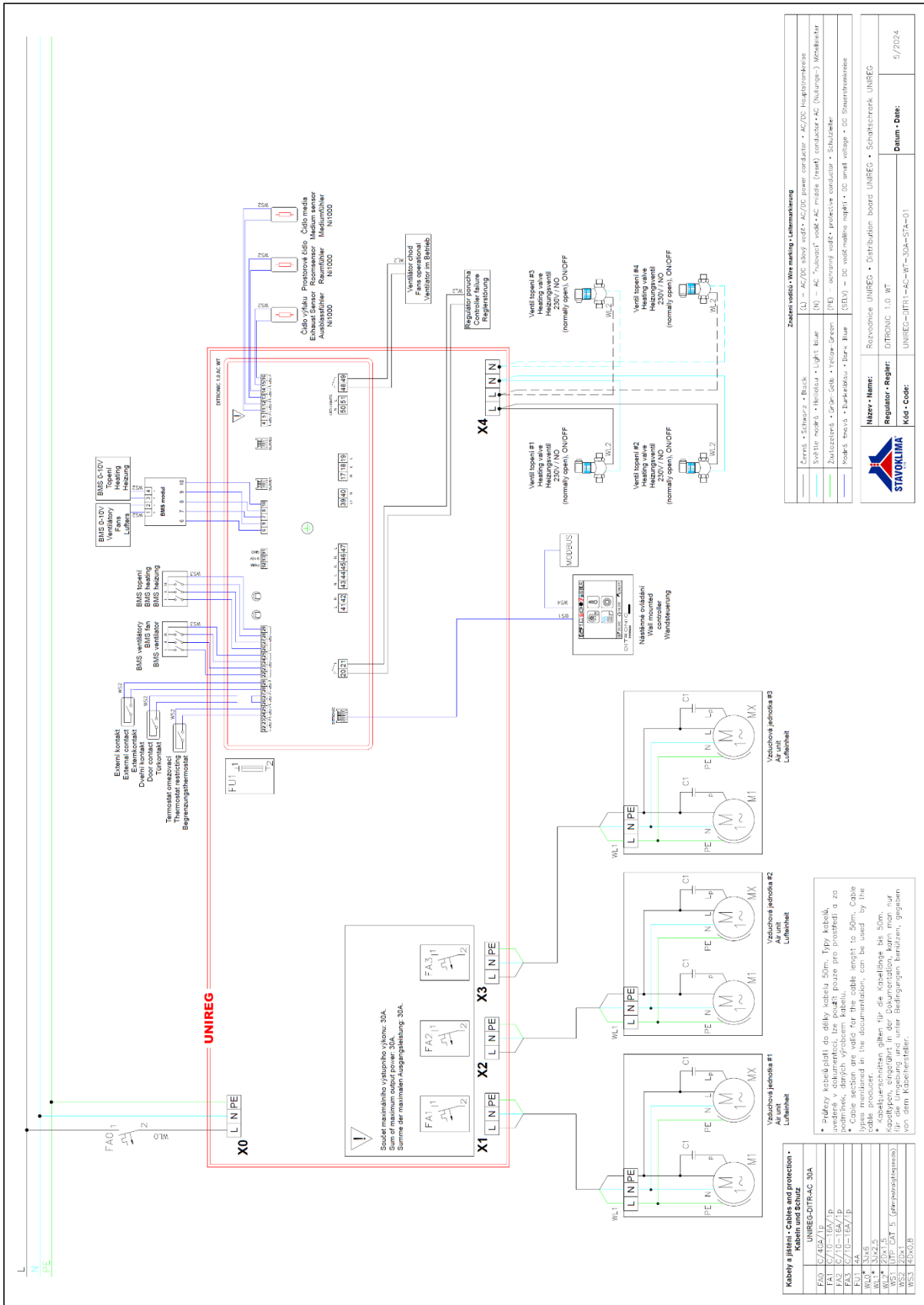
After the expiration of the service life, the switchboard must be disassembled and disposed of. Only qualified company may disassemble the device. The product or components thereof must be disposed in environmentally-friendly manner at the end of its service life.

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.



8. UNIREG – DIT-A 30 A switchboard wiring scheme













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