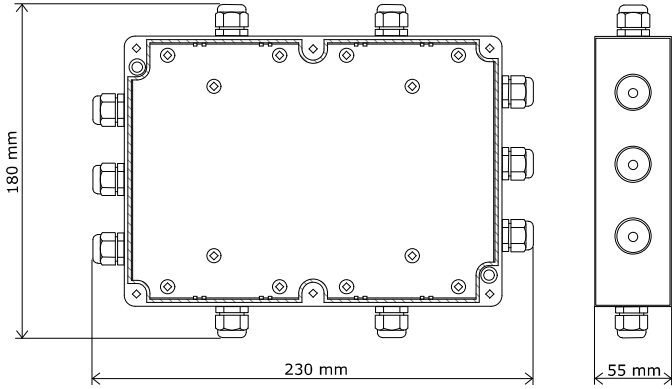
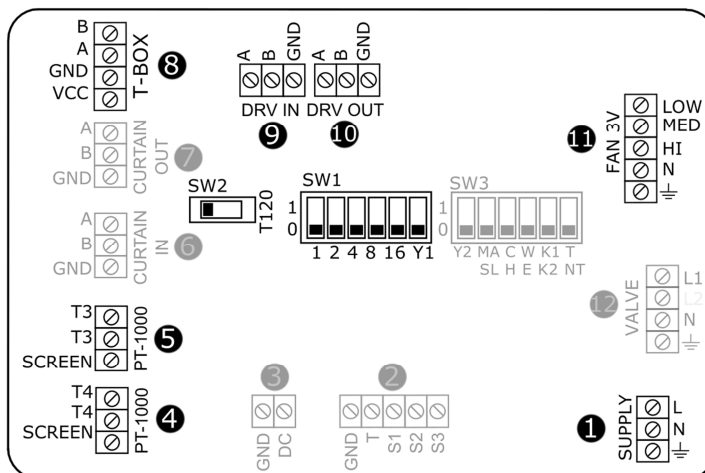


DRV D – control module for LEO D

DIMENSIONS		GENERAL INFORMATION	
		<p>The DRV D control module is dedicated to LEO D destratifiers;</p> <p>Features:</p> <ul style="list-style-type: none"> • Integration to the SYSTEM FLOWAIR; • Communication with BMS; • Possibility to integrate the T -box; • Possibility to connect two external PT-1000 temperature sensor (one under the ceiling and one in user area) • Possibility to work in automatic destratification mode; 	
INSTALATION AND MAINTENANCE		INSTALATION AND MAINTENANCE	
Operating temperature range	-10 ÷ +60 [°C]	<p>WARNING! Before starting any installation work, remember to disconnect power.</p> <ul style="list-style-type: none"> • DRV module can only be installed indoors; • Signal wires should be secured by sleeves; • Wire size should be selected by the designer. 	
Protection	IP54		
Installation	Surface mounted		
Max. size of the wire	2,5 mm ²		
Weight	0,75 kg		
Colour	Grey		
CONNECTOR DESCRIPTION			

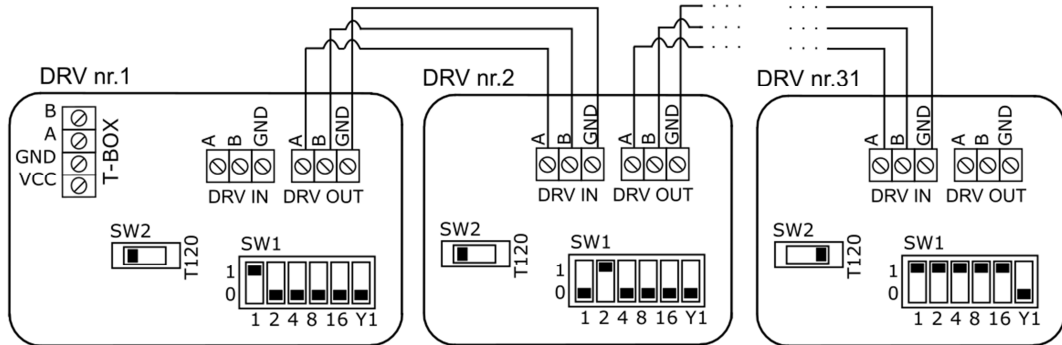


- 1 Power supply 230V/50Hz;
- 2 External temperature sensor PT-1000 in user area;
- 3 External temperature sensor PT-1000 under the ceiling; (in set with DRV D, connected);
- 4 controller T-box;
- 5 BMS or previous DRV module;
- 6 next DRV module;
- 7 3-step fan;

CAUTION: Non described connectors are active in other versions of the DRV control unit.

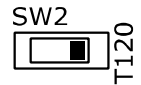
CONNECTING DRV MODULES

- It is possible to connect up to 31 modules DRV and control them with one T-box controller .





- In last DRV in line, DIP-switch SW2 has to be switched to the right -T120W

CAUTION: If the system consists only one module DRV DIP-switch SW2 also must be set in the right position T120



SETTING THE ADDRESS

When connecting DRV modules to the T-box controller or BMS, you have to binary set addresses on each (each DRV must have individual address) DRV module by DIP-switch SW1. To address modules check if the power supply is turned off, than set then the addresses as shown in the table, than turn on the power supply .

 Down position
 Up position

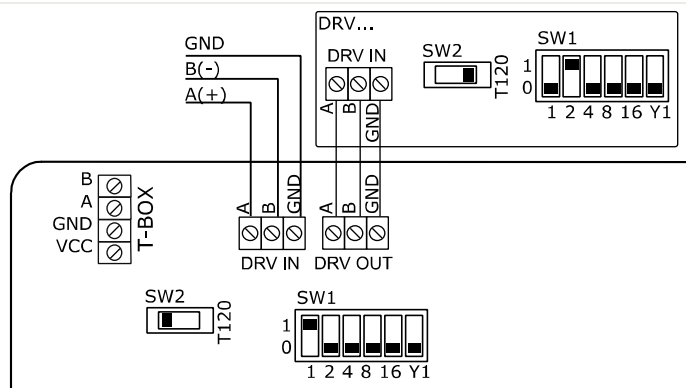
Address DRV							
1							
2							
3							
...							
31							
		1	2	3	4	5	6
		1	2	4	8	16	Y1

BMS CONNECTION DIAGRAM

DRV modules can be connected to the BMS (Building Management System).

Communication parameters:

Name	Description
Physical layer	RS485
Protocol	MODBUS-RTU
Baud rate	38400 [bps]
Parity	Even
Number of data bits	8
Number of stop bits	1



CAUTION: In last DRV in line, DIP-switch SW2 has to be switched to the right -T120W.

CAUTION: The connection must be carried out with 3 -wire (recommended UTP) to connectors DRV IN

CONNECTION DIAGRAM OF DRV WITH DEVICES

