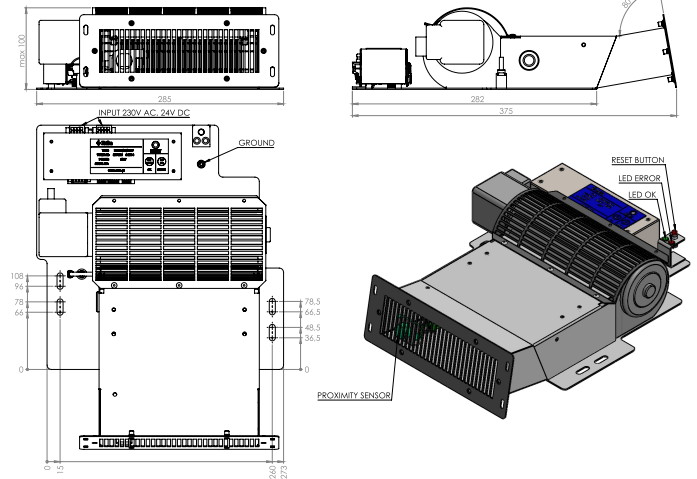
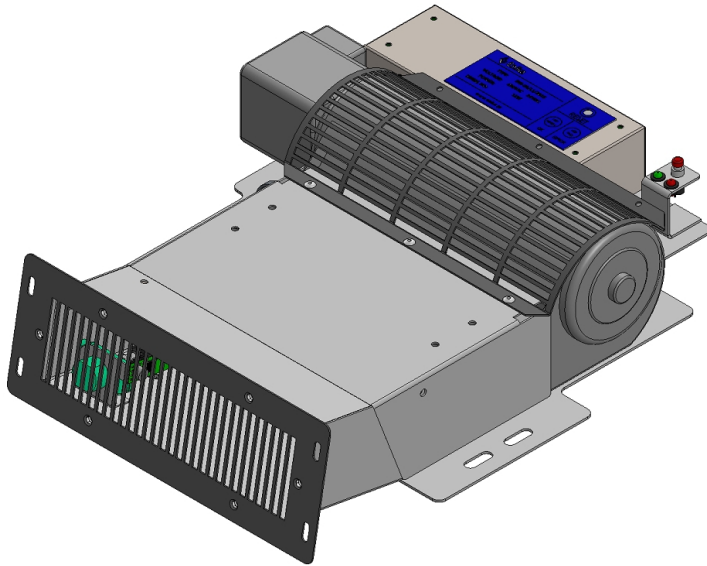


# ENI-SR/L1/2016 Hand Dryer

## Product Data Sheet



## APPLICATION

The ENI-SR/L1 (left-hand version) hand dryer is built-in railway convenience equipment for the WC cubicles of passenger carriages.

## SPECIFICATIONS

Controller and fan motor rated supply voltage	24 V <sub>DC</sub>
Heating element rated supply voltage	230 V <sub>AC</sub>
Heating element power rating	1 kW
24 V <sub>DC</sub> system current load	≤2 A
Fan flow rate	150 m <sup>3</sup> /h
Noise level	max. 60 dB
Protection	Two-stage overheating protection
Maximum air outlet temperature	60°C
Galvanic separation	Between the heating circuit and enclosure
Insulation test voltage	HV heating circuit: 1,5 kV <sub>AC</sub> /50 Hz/1 min. LV control circuit: 500 V <sub>AC</sub> /50 Hz/1 min.
Enclosure protection rating	IP20
Weight	3 kg
Operating orientation	vertical

### DESIGN

The hand dryer is encased in a stainless steel sheet enclosure. The enclosure houses a fan with a transverse air outlet, which flows through the heating element, a proximity sensor and thermal protection sensors. On the base is a control system with LED indicators for state of operation. The fan intake and outlet ducts are protected with screens against foreign objects. On the upper edge of the dryer are J1 and J104 connectors for connection to the carriage circuits.

### OPERATION

Supplying 24V<sub>DC</sub> and 230V<sub>AC</sub> voltage to the hand dryer prepares it for operation. The hand dryer starts working when the proximity sensor is triggered. The device turns itself off after about 25 s of running and returns to standby. The continued presence of the hands within the proximity sensor range will not cause the device to run indefinitely. Restarting the dryer requires moving the hands out of and back into the range of the proximity sensor at the air outlet duct. The air outlet temperature is analysed continuously so as not to exceed the temperature of 60°C. In case of emergency operation, the heating element does not function. The dryer blows air at ambient temperature. Check whether the intake and exhaust ducts are clogged by foreign bodies. After removing the obstacle, press the RESET button. Repeated switching of the device to the emergency mode means that the temperature sensor is damaged and it is impossible to smoothly control the outlet air temperature. For safety reasons, the heating element will not be switched on. Non-functional dryer status occurs in the event of damage.

### BLOCK DIAGRAM

