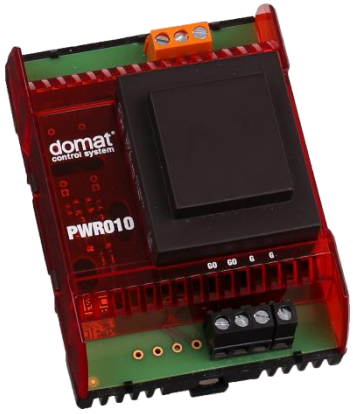
PWR010 Small transformer



Summary

PWR010 is a small power supply transformer for supplying of a fancoil controller e.g. FCR010 or radiator controller UC102 (UC200), or of another 24 V AC device up to 10 VA.

Applications

- **Individual room controls.**
- **Remote I/O modules.**

Function

The input voltage is 230 V AC. The transformer provides suply voltage for a fancoil controller or I/O modules so that it is not necessary to install extra 24 V AC wiring. It is used for applications where a small number of I/O modules have to be installed at a remote place or to power a single fancoil controller.

The devices are designed for operation in normal, non-aggressive environment. They do not need maintenance and may be installed in any position. They are clamped on the DIN rail.

Technical data

Power supply	230 V AC ± 10 %
Transformer	230 / 24 V AC
Transformer output power	10 VA
Protection degree	IP20 (EN 60529)
Housing	polycarbonate box (certification UL94V0)
	elbox 4U
Instalaltion	DIN rail
Recommended wire diameter	0.14…1.5 mm2
Mass	0.2 kg
Dimensions	71 (l, 104 with installation fixtures) × 99 (w) × 54 (h) mm

Ambient temperature	external conditions: 5…40°C; 5…85 % relative humidity; non-condensing gases and chemically non-aggressive conditions (according to EN 60721-3-3 climatic class 3K3) storage: 5…40 °C; 5…85 % relative humidity; non-condensing gases and chemically non-aggressive conditions (according to EN 60721-3-1 climatic class 1K2)

Terminals

Terminals	
N	neutral
L	power 230 V st
TE	technical ground
G0	24 V AC, common ground, reference point
G0	24 V AC, common ground, reference point
G	24 V AC, power for the controller
G	24 V AC, power for the controller

Safety note

The device is designed for monitoring and control of heating, ventilation, and air conditioning systems. It must not be used for protection of persons against health risks or death, as a safety element, or in applications where its failure could lead to physical or property damage or environmental damage. All risks related to device operation must be considered together with design, installation, and operation of the entire control system which the device is part of.

Changes in versions	05/2018 – First datasheet version. 06/2018 – *Safety note* added. 08/2021 – Stylistic adjustments, change of logo.