

Proposal of low power consumption components

Carbon neutrality at manufacturing sites starts with a reduction in the power consumption of control panels

In recent years climate change initiatives are becoming increasingly socially significant. Many top manufacturers support carbon neutrality. There is a trend to reduce CO2 emissions throughout the supply chain. On the other hand, it is also necessary to improve functions in anticipation of further productivity improvement, and the balancing of environmental activities with business activities is becoming a major challenge.



Realizes power saving in equipment and facilities

Omron's Value Design for Panel compliant products reduce the power consumption in the control panel.

BEFORE

Conventional equipment is selected based on usage results and compatibility

Conventional products **300 W**



Omron's newest models reduce 100 W even in typical control panels

Low-power products **200 W**



S8VS



E5CN



H3DK-M



K8AK-PH



S8VK-S (44% reduction)



E5CC (13% reduction)



H3DT-N (78% reduction)



K8DT (39% reduction)



Control Panel
Power
consumption
reduced by
1/3

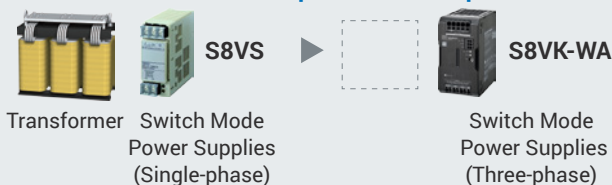
Reducing power consumption by reviewing specifications

Power consumption can be easily reduced by reviewing to the latest model with reduced power consumption and reviewing the most suitable model to optimize the application. Please contact us for more information.

Review of power supply specifications

Specification change point:
Circuit change associated with switching from transformer + single phase to three phase

60% reduction in power consumption



Optimization of endurance specifications

Specification change point: Relay endurance:
500,000 operations min. → 100,000 operations min. (at 5A)
(when the required endurance is 10,000 times or less (5A))

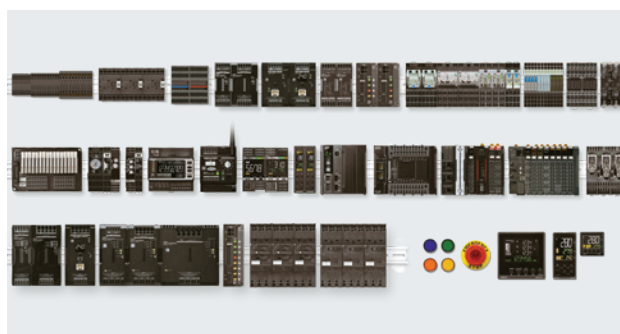
41% reduction in power consumption



Add more value to your control panel with our extensive product lineup

Omron offers an extensive lineup of Value Design for Panel products which require less space, effort and workload compared to conventional products. By using multiple Value Design products together, you can boost the value of your control panels.

For more information, see our catalog
“New Value for Control Panels”
(Cat. No. Y218).



* “Value Design for Panel” is the concept underlying the specifications of Omron’s control panel products. By using multiple Value Design products together, customers can add new value to their control panels.

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