



ENOCEAN ENABLES HIGH-TECH FLEXIBILITY ON BRAZILIAN YACHTS

With the support of ASP Automação in Brazil, Spirit Ferretti is fitting its luxury yachts with EnOcean wireless technology. The limited conditions on boats and yachts obviously call for highly capable technologies that allow flexible use of the space that is available. That was one of the main reasons why Spirit Ferretti chose an EnOcean-enabled solution for its Ferretti 830 luxury yacht. Wireless switches based on EnOcean technology can be adhered straight to cabin paneling or other surfaces, which substantially increases the useful space onboard.

By Oskar Pzillas, Managing Director, ASP Automação Ltda.

RIGHT LIGHTING BY WIRELESS

Lights, blinds, ventilators and a hydraulically operated landing stage on the 27-meter-long Ferretti 830 are controlled by actuators from Omnio, while light scenes can be dimmed using controllers from PEHA. 27 circuits are installed for the lighting, five of which can be dimmed. Operating voltage is 24 Vdc with 220 Vac for the light scene dimmers.

REGS 24 actuators from Omnio control the lighting circuits, extractor hoods, blinds and various other units. The REGS 24 is currently the only user-programmable switching actuator available on the market. Each output can be separately programmed with familiar functions such as on/off, pulse, pushbutton and timing relay.



As a minor highlight, an active antenna from Omnio is installed on the fly so that it is possible to activate the interior lighting, for example, or other fixtures from the pier by an EnOcean handheld transmitter when returning during the night. This has a range of about 100 meters.

Dimming uses high-tech controllers from PEHA, making it possible to set up any number of dimmer circuits. The set scenes can be saved by simply pressing a button,



and are recalled by a four-channel wall-mounted or handheld transmitter. Other functions can be switched at the same time as recalling light scenes. The dual-quad actuators and dimmers are installed in two control cabinets, in the bow and in the engine room.

HIGH CONVENIENCE – LITTLE INSTALLATION EFFORT

Many lights are switched from multiple points, so the wireless switches reduce the installation effort and the cabling by all of 70 percent. The entire control is also possible over a wireless gateway using an automation unit or with software from the BootUp company.

ASP also offers this system for yachts up to 46 feet in a 12-V version. Matching requirements, ready wired switchgear in the 12-V or 24-V version can be supplied with 8, 16, 24, 32 or 64 outputs. A complete automation system with BootUp software is also possible.

