New NMEA 2000® 16 Channel Switch Input Module from Offshore Systems

Offshore Systems, leading producer of NMEA 2000® digital vessel monitoring products, has introduced the innovative 4410 16 Channel Switch Input Module (SIM) to monitor detection devices and report their status over the NMEA 2000® network to the vessel’s display consoles.

The 4410 16 Channel SIM will monitor fire/smoke/carbon monoxide detectors, bilge and flood float detectors, doorway and porthole closure detectors, valve status detectors, coolant flow switches, over temp alarm switches, water in fuel contacts and many more. The 16 Channel SIM, when integrated with suitable NMEA 2000® display screens can show the status of all these detectors anywhere on the vessel.

The 4410 16 Channel SIM has PLC quality inputs, meeting professional control electronics standards. These are manufactured to IEC 61131 and IEC61000 standards and are optically isolated and fully protected against ESD (Electrostatic Discharge), voltage surges and transients to ensure the most reliable operation from an extremely robust product, at all times. The 16 Channel SIM is extremely easy to install, compatible with either 12 or 24 Volt systems and requires no user setup menus. Instead just two small rotary address switches can be set so multiple units can exist on the same network.

The connections to the unit are made via boat builder preferred WAGO Cage Clamp terminal blocks which allow solid or multi stranded wires from 0.08 to 1.5mm² to be connected quickly and securely. Each switch input has a green LED to indicate when it is active. The 4410 16 Channel SIM can be either panel mounted or din rail mounted using mounting clips that are provided.

The unit comes with a detailed user manual and is certified to the NMEA 2000® network standard.