

scanwipers®



CANbus Control System is based upon **NMEA 2000**, a combined electrical and data specification for a marine data network for communication between marine electronic devices. It is defined and controlled by the US based National Marine Electronics Association (NMEA). NMEA 2000 connects devices using Controller Area Network (CanBus) technology originally developed for the automotive industry.

NMEA 2000 is based on the SAE J1939 high-level protocol, but defines its own messages. Messages are defined within the constraints of J1939/NMEA2000 for switching on/off wipers, wash devices (wash and purge solenoids, wash pumps), heaters (wiper arm and screen), and sunscreens.

Window functions may be sectorized so that individual or multiple Keypads operate these Sectors, with up to 9 Sectors being controlled from a Keypad. As many Keypads as required can be added directly to the data bus, and any Keypad can be used at any time to control the system. No additional Override or Take Command switches are required.



The system is capable of up to 9 wipe speeds rather than the two that most systems provide.

scanwipers® Is the proprietary name of a CANbus Control System based on an industry standard ship communications system that allows control from central or distributed control panels.

This includes control of Wipers, Wiper Heaters, Window Heaters, Electric Window Sunscreens, Wash Solenoids and Air Purge Solenoids.

This bus architecture is owned and registered by **Scanwipers**.

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| |  Certificates No: A-12887 Issue No: 847.10 Job No.: 262.1-012912-2 |
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| Product description ISLW TSLW Straight Line Wiper, single arm, externally mounted motor TSLW Straight Line Wiper, single arm, internally mounted motor TSLW Straight Line Wiper, twin arm, externally mounted motor PSLW Petaswing Wiper, internally mounted motor SW CANBUS Scanners CANBUS Control System | |
| Application/Limitation For marine and shore applications. Installation to be performed according to the manufacturers installation and operation manual. SW CANBUS and motor parts for ISLW and PSLW should be installed in controlled area. When installed on ships with class notations NAUT-AV, NAUT-CO or NAUT –(OVERA), the window wiper system shall comply with the relevant classification society's classification and load capacity requirements specified in the relevant class notation rules. | |
| Table 1: Type Approval documentation | |
| Doc. No. | Title |
| 1002015026 | Manual: Scanners, waterpowered CANBUS Marine Window Wiping Control System: Installation, Maintenance and Operation Manual |
| PASTOROMI100W3M315 | Manual: Scanners, waterpowered Petaswing Window Wiping Control System: Installation, Maintenance and Operation Manual |
| ISLW100W3M3231a | Manual: Scanners, waterpowered Single and Twin Externally Mounted Motor Straight Line Wiper Installation, Maintenance and Operation Manual |
| ISLW100W3M3231a | Manual: Scanners, waterpowered Single and Twin Internally Mounted Motor Straight Line Wiper Installation, Maintenance and Operation Manual |
| 2013-11-10 | Report: Durability Performance Test report for Scanners and SW CANBUS equipment |
| Appendix 1 | Report: Durability Appendix 1, Log for Internal straight line wiper |
| Appendix 2 | Report: Durability Appendix 2, Log for Petaswing wiper |
| Appendix 4 | Report: Durability Appendix 4, Log for Twin external straight line wiper |
| Appendix 5 | Report: Durability Appendix 5, Log for Twin internal straight line wiper |
| Appendix 6 | Report: Durability Appendix 6, Log for Wet dry time test |
| TL 1432 Issue 02 | Report: Marine Systems, Shock Tests and Control System |
| TL 1432 Issue 01 | Report: Marine Systems, Shock Tests and Control System |
| 3368 | Report: NAUT, Environmental tests |
| Tests carried out | |
| <ul style="list-style-type: none"> • Environmental Tests, ISO 8996 (2002) | |
| <ul style="list-style-type: none"> • Performance Tests, ISO 78988 (2004) | |
| Marking of product | |
| The marking of the type designation to be applied to the equipment is clearly visible and location and in addition the equipment shall be marked with serial number; salt resistance to magnetic coating and power consumption and Type Approval Certificate No. ISO 78989. | |
| Certificate Retention Survey | |
| A retention survey is to be performed at least every second year, and upon renewal of this certificate. | |
| The scope of the retention/survey system is to verify that the production quality conditions stipulated for the type approval are complied with and that all alterations are made to the product design or its component parts/materials without approval by the Society. | |
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CANbus

Marine Window Wiping Control System

scanwipers®

Control Unit

Individual and Group Control

Automatic self parking

Fast and low speed operation

Sectoned Synchronisation

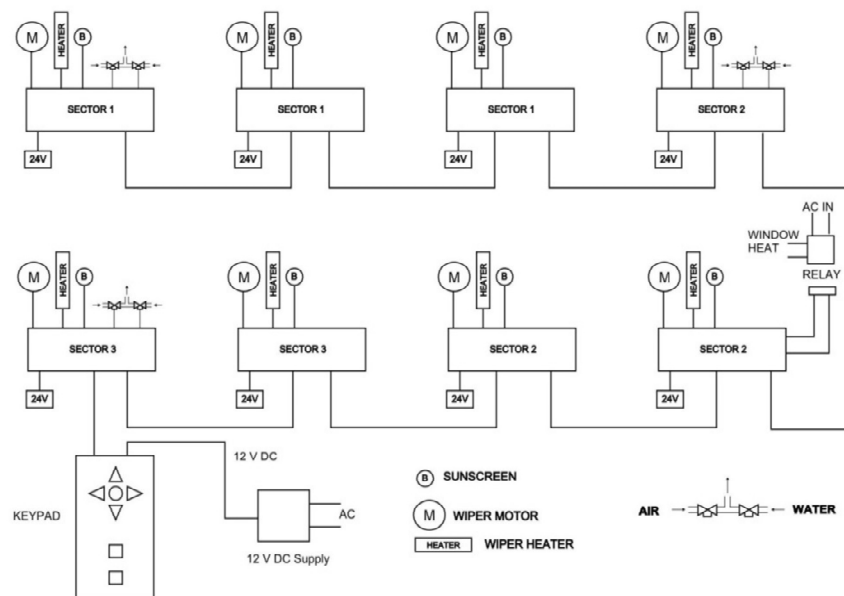
Group heater switch

Wash-Wipe / Air purge option

Different types of wipers, controlled by one system.

Simple Control of large system

A 24V DC Power Supply is required to provide power for wiper motor, heater, sunscreens and wash solenoids. Each Control Module has a 24v power supply input.



Dealer:

scanwipers®

