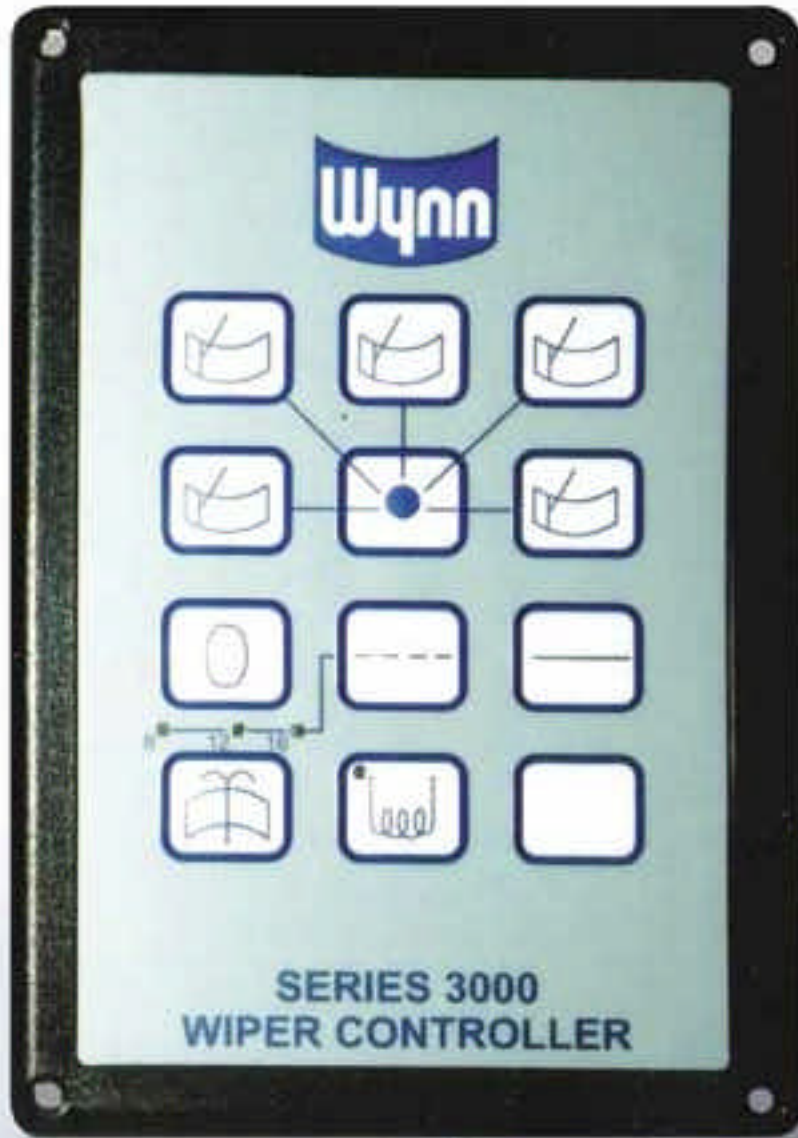




SERIES 3000

Network Control System



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SERIES 3000

Controller

The series 3000 wiper controller is the world's most advanced control system, complementing Wynn's full range of Ocean and Coastal wiper products. Its design is modular which provides the flexibility to control different types of wiper equipment in the same bridge area. It is suitable for all ship-board supply systems. Over 50 wipers or other elements can be controlled by one controller, larger systems use Master - Slave arrangements. Power is taken direct to where it is needed, with very simple and safe control at the console.



FLEXIBILITY

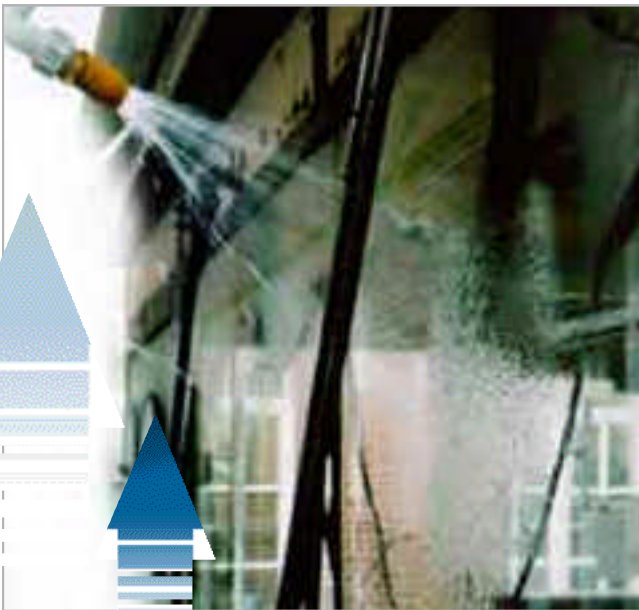
- Additional wipers can be added at a later date with no complicated equipment change.
- Different electrical supplies and voltages can be controlled in the same system.
- Integration of wiper system into other bridge control systems is possible.
- Infinite configurations for the wiper control.
- Plug and play connectivity.





FEATURES

- Small size control panel only 105 x 150 x 80mm (4 x 6 x 1.5).
- Individual or group control of the wipers.
- Fast & slow speed operation.
- Intermittent mode with 3 delay timings.
- Group heater switch.
- Wash wipe / air purge facility gives synchronisation of wipe, water delivery and line purging.
- Synchronised group wiring in the intermittent mode.
- Network 2 wire control technology.



CONNECTIVITY

- Most connections between the modules and the wiper are pre-configured by Wynn.
- Modules can be located adjacent to the wipers to minimise wiring runs.
- Network can be run in an open or closed ring circuit.
- Other equipment can be operated from different power sources.

SIMPLE CONTROL OF LARGE SYSTEMS

- Failsafe dual action hardwired systems with the benefits of low cost installation and grouping.
- Master / slave arrangements enable large numbers to be effectively controlled both locally by a group and from the master control panel.

INSTALLATION

- Simple network wiring around the bridge.
- Small control panel uses less console space.
- Power is taken direct to the wiper control module located adjacent to the wiper.
- Control network uses low cost cabling.
- Fewer connections means simpler commissioning.
- Less time taken for installation.





SERIES 3000

Network Control System



HOW TO ORDER:

- The series 3000 is a modular system that can control all types of wipers, de-icing heaters and washing systems. A control system comprises of console panels and controller modules, to be configured according to the specification. Firstly select the wiper type to suit the application, quantity of windows to be wiped with window dimensions and voltage specification. To configure the control system:-

- Required no. of control panels = Number of control positions in the bridge.
- Required quantity of motor modules = Number of window wipers on the bridge. Specify how the wipers are to be grouped for control purposes.
- Specify whether wiper heaters are required. One module can control up to 20 amps of de-icing heater, either heated glass or wiper heaters.
- Specify whether wash systems are required, either wash or wash / air purge and how they are to be controlled. One module is needed for each area.
- Evaluate the control current for the system, by adding up the requirements for all the modules. Power supply units can be supplied if required.

CONTROLLERS



SPECIFICATIONS

Protection level: Minimum IP33
 EMC: CE marked
 Bus type: Current loop, opto-isolated

Part number	Module type	Control Current @ 24V	Overall size W x H x D(mm)	Weight (kg)
3050	Front panel (2, 3, 4 and 5 group)	0.05	105 x 150 x 30	0.3
3010-025	AC 3ph 2 speed control module	0.1	130 x 130 x 76	0.6
3060-007	AC 1ph 1 speed control module	0.1	130 x 130 x 76	0.5
3061-007	AC in DC out (95 -120V) 1speed	0.1	130 x 130 x 76	0.5
3062-007	AC in DC out (220 -240V) 1speed	0.1	130 x 130 x 76	0.5
3040-013	24V DC control module 2speed	0.05+motor current	82 x 58 x 35	0.3
3022-007	Heater module: up to 20 amps	0.2	130 x 130 x 100	0.7
3070-010	Wash / air purge module	0.1	130 x 130 x 76	0.5
3000-005	PSU: 96~250V AC input	2.0	50 x 80 x 95	0.3

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