









# 6000 Series Controller

Fulfils all requirements for small up to complex systems

-  Simple control of large systems
-  More than one keypanel can be integrated into any operational system
-  Wipers controlled locally or from master control
-  Different types of wipers with variations in voltage controlled by one system
-  Synchronisation of low voltage wipers (pantograph/pendulum) in low and high speed
-  Reduced installation costs





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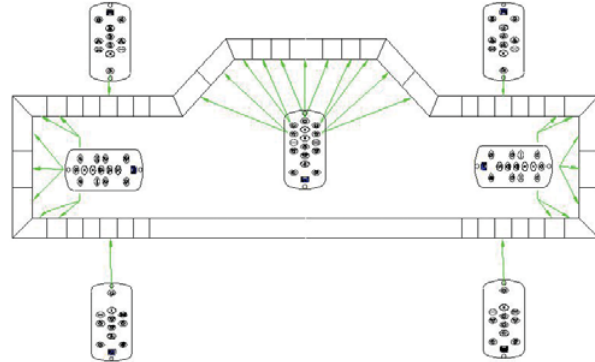
Fulfills all requirements for small up to complex systems

## Flexibility

Large bridges can be divided into zones, each of which may be configured into groups. Different electrical supplies and voltages can be controlled in the same system, and additional wipers and equipment can be added at a later date with no complicated design change.

The Series 6000 Control System consists of modules that may be distributed around the bridge in close proximity to each wiper. A single power cable to the module can provide a wiper, wash and air purge, or wiper, wash and heat functionality. For large systems requiring multiple functions, a separate wash/purge/screen heat module is available.

The system is controlled from a conveniently positioned control keypad, available as Single Speed or Two speed, Master Group Control, 1 to 5 Groups, All Groups Single Wipe, 3 intermittent Wipes, wash, Case Heat and Window Heat.



## 6500 Series Control Panels

The system can be controlled with a rotary switch, Carling switch, touch screen, the standard 6500 keypad or a customised keypad.

Available with a maximum of two slave controllers per master and remote switches per controller.

## 6100 Series 115v AC and 230v AC 1 Phase Motor Modules

- Ships power supply 115v AC or 230v AC single phase
- Straight Line Wipers Type C/D and Clear View screens type C350
- Motor types GA65, GA65-L, GA64, GA64-L

The standard module is configured as a single motor module with two additional outputs e.g. wash/purge, wash/heat. The extended motor module has four additional outputs (extra PCB). The additional outputs (extra PCB) can be of a different voltage to the standard PCB. It is also possible to choose a module as an auxiliary controller. For example as a separate air/purge module or window heater module with either 3 or 5 outputs. (The heater output is 8 amps; if the current is higher an external contactor is needed.)

## 6200 Series 24v DC Motor Modules

- Ships power supply 24v DC
- Pantograph, Pendulum or Straight Line Wipers
- Motor types 30Nm, 50Nm, 80Nm, 110Nm, 1800 and 1801 (pend & panto, two speed), PM 3 and PM 5 (slw single speed)

The standard module has two outputs:

1 Motor Control output

2 One extra hardware (dipswitches) output configurable for wash/purge/wiper heater/window heater. (The heater output is 4 amps; if the current is higher an external contactor is needed.)

## 6300 Series 115v and 230v AC 3 Phase Motor Modules

- Ships power supply 115v AC and 230v AC three phase
- Straight Line Wipers types C/D and C350
- Motor types GA61, GA61-IP-23, GA63, GA62D, GA68
- Pantograph / Pendulum Wipers 70Nm and 100Nm single phase supply

The standard module has one output, motor control, only. The extended module has two extra outputs (extra PCB). (The heater output is 8 amps; if the current is higher an external contactor is needed.)



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