

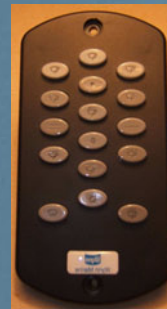


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STRAIGHT LINE

6000 Controller series.



Fulfils all the functions and requirements of a window wiping system.

Unlimited options.

Saves costs on electric cables and labour for installation.

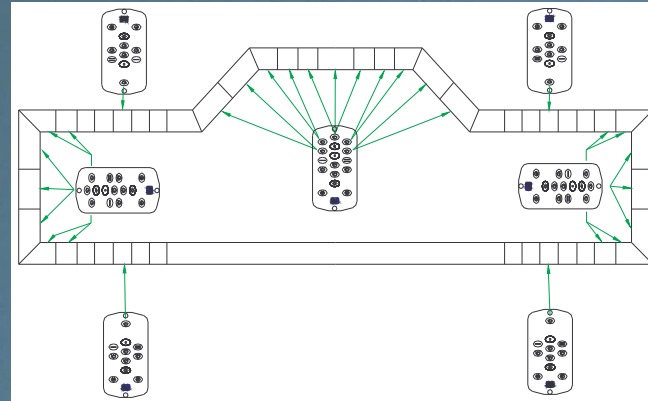
Remaining cable is lighter.



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Flexibility:

Large bridges can be divided in zones. Each zone may be configured in groups.

Many configurations for the wiper control.

Different electrical supplies and voltages can be controlled in the same system.

Additional wipers or equipment can be added at a later date with no complicated design change.



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Connectivity:

Connection between modules and wiper motor may be preconfigured by Wynn.

Modules can be located adjacent to the wipers to minimise wiring runs.

Communication is via an industry standard bi directional RS 485 bus.

Other non-wiper bridge equipment can be operated from the network.

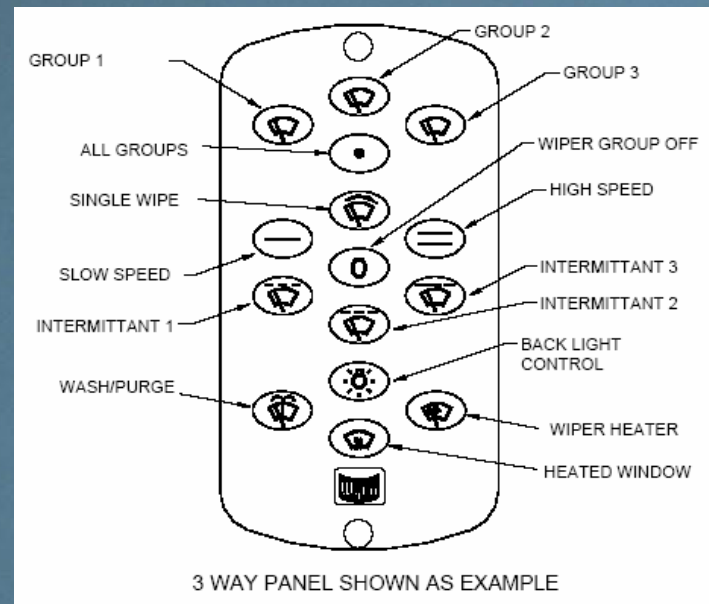


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6500 series control panels.



The system is controlled from a conveniently positioned control keypad available as Single Speed (1Ph SLW motors)
or Two Speed (3Ph SLW motors and panto/pend motors),
Master Group Control,
1 to 5 Groups,
All Groups Single Wipe, 3 Intermittent Wipes, Wash/wipe,
Case Heat and Window heat

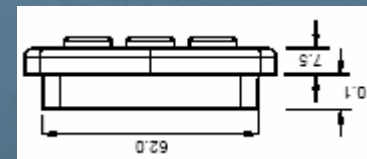
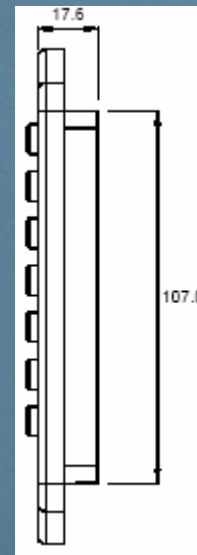
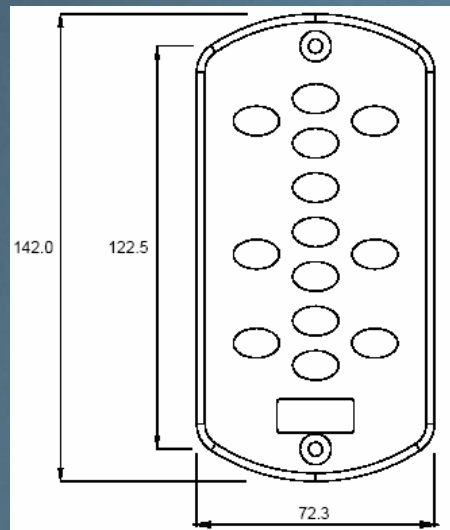


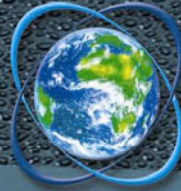
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Dimensions





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How to select a keypad?

65=6000 series keypad

**=Number of wipers or groups with a maximum of 5 (01, 02, 03, 04, 05)

-

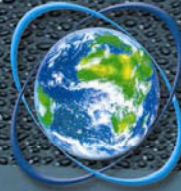
*=Speed 1=Single speed, 2=Two speed

*=Arm/case heater 0=no heater, W=with heater

*=Window heater 0=no heater, W=with heater

*=Master or slave M=master, S=slave

*=Remote switch 0= no switch, R=remote switch



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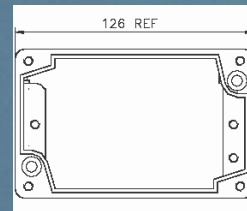
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The series 6000 control system consists of modules that may be distributed around the bridge in close proximity to each wiper.

There are three series of modules available



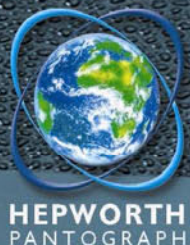
6100 series single phase AC



6200 series 24 V DC



6300 series three phase AC



6100 series single phase AC modules.

- Ships power supply 115 VAC or 230VAC 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).

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 a external contactor is needed) .



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How to select a 6100 series single phase AC module?

6 = 6000 series controllers

1 = 1 ph power supply

** = Motor type

115vac 50/60HZ 1 sp GA 65	CA
115vac 50/60HZ slow GA 65 L	CB
230vac 50/60HZ 1 sp GA 64	CH
230vac 50/60HZ slow GA 64 L	CJ
230vac 50/60HZ IP 23 GA 64	CL
115vac 50/60HZ C 350	TA
115vac 50/60HZ slow C 350	TC
230vac 50/60HZ C 350	AT
230vac 50/60HZ slow C 350	TC
Auxiliary	00

Code

CA

CB

CH

CJ

CL

TA

TC

AT

TC

00

Standard module
only two options
possible. Extended
module
with two extra
options is 4 in
total.

* = Wash options NO=0, wash=1

* = Air purge options NO=0, purge=1

0

* = Wiper heater options NO=0, heat=1

* = Screen heat options NO=0, heat=1

E = External PSU

* = Group number code 1=1, 2=2, 3=3, 4=4, 5=5.

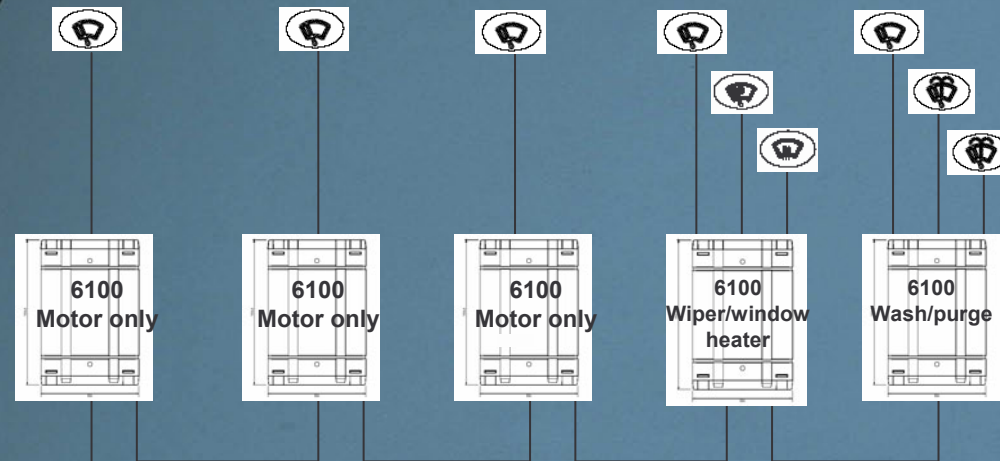
* = Supply voltage 115vac=1, 230vac=3



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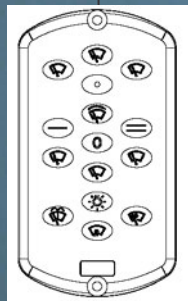


STRAIGHT LINE

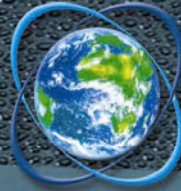


A single power cable to the module can provide a wiper, wash and air purge, or wiper, wash and heat functionality.

For large systems requiring multiple functions, a separate wash/purge/screen heat module is available.



- This block diagram consists off:
- 1 external PSU 3000-007
 - 1 3 way keypad 6500
 - 3 standard motor modules 61CA0000E11
 - 1 standard motor module with window heater and Wiper heater output 61CA 00011E31
 - 1 standard motor module with wash and airpurge Output 61CA11000E31



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6200 series 24V DC motor modules.

- Ships power supply 24V DC.
- Pantograph or pendulum wipers.
- Motor types 30Nm, 50Nm, 80Nm, 110Nm, 1800 and 1801

The module have standard two outputs.

1. Motor control output.
2. One extra hardware (dipswitches) configurable output for wash/purge/wiper heater/window heater (the heater output is 4 amps, if the current is higher a external contactor is needed) .



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STRAIGHT LINE

How to select a 6200 series 24DC module?

6 = 6000 series controller

2 = 24dc

00

* =0=standard, H=heat, W=wash, P=purge

* = Group number code 1=1, 2=2, 3=3, 4=4, 5=5



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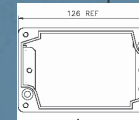
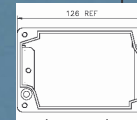
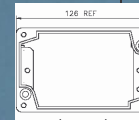
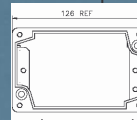
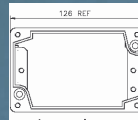


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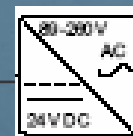
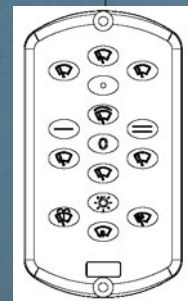
w

ah

wh



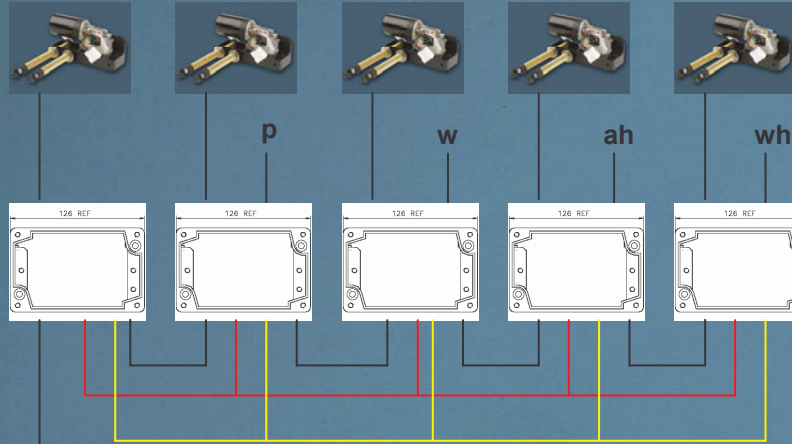
Standard configuration with wash, purge, arm heater and window heater.



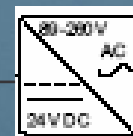
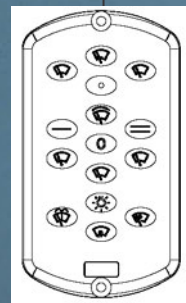


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STRAIGHT LINE



Lo/hi synchronisation configuration with wash, purge, arm heater and window heater.





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STRAIGHT LINE

6300 series 115V and 230V AC motor modules.

- Ships power supply 115v and 230V AC three phase.
- Straight-line wipers type C/D and C350
- Motor types GA61, GA61-IP-23, GA63, GA62D, GA 68
- 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 a external contactor is needed) .



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How to select a 6300 series three phase AC module?

6 = 6000 series controllers
3 = 3 ph power supply

** = Motor type 115vac 50/60HZ 2 sp GA 61
115vac 50/60HZ IP 23 GA 61
115vac 50/60HZ 1 sp GA 63
230vac 50/60HZ 2 sp GA 62D
230vac 50/60HZ 1 sp GA 68
115vac 50/60HZ C 350
230vac 50/60HZ C 350

Code

CE
CF
CG
CM
CN
TB
BT

Standard module
no options
possible. The
extended module
has two extra
options.

* = Wash options NO=0, wash=1

* = Air purge options NO=0, purge=1

0

* = Wiper heater options NO=0, heat=1, arm heat=2 (low voltage)

* = Screen heat options NO=0, heat=1

E = External PSU

* = Group number code 1=1, 2=2, 3=3, 4=4, 5=5.

* = Supply voltage 115vac=1, 230vac=3



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Thank you for choosing our wipers and controllers.

