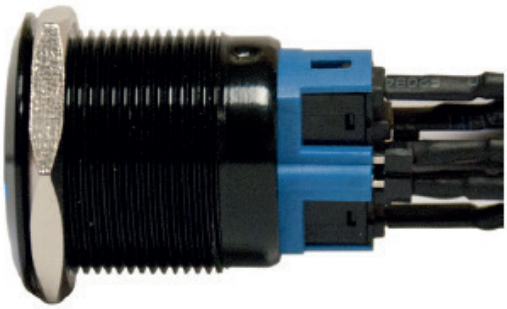
INSTALLATION GUIDE

UNI-Link



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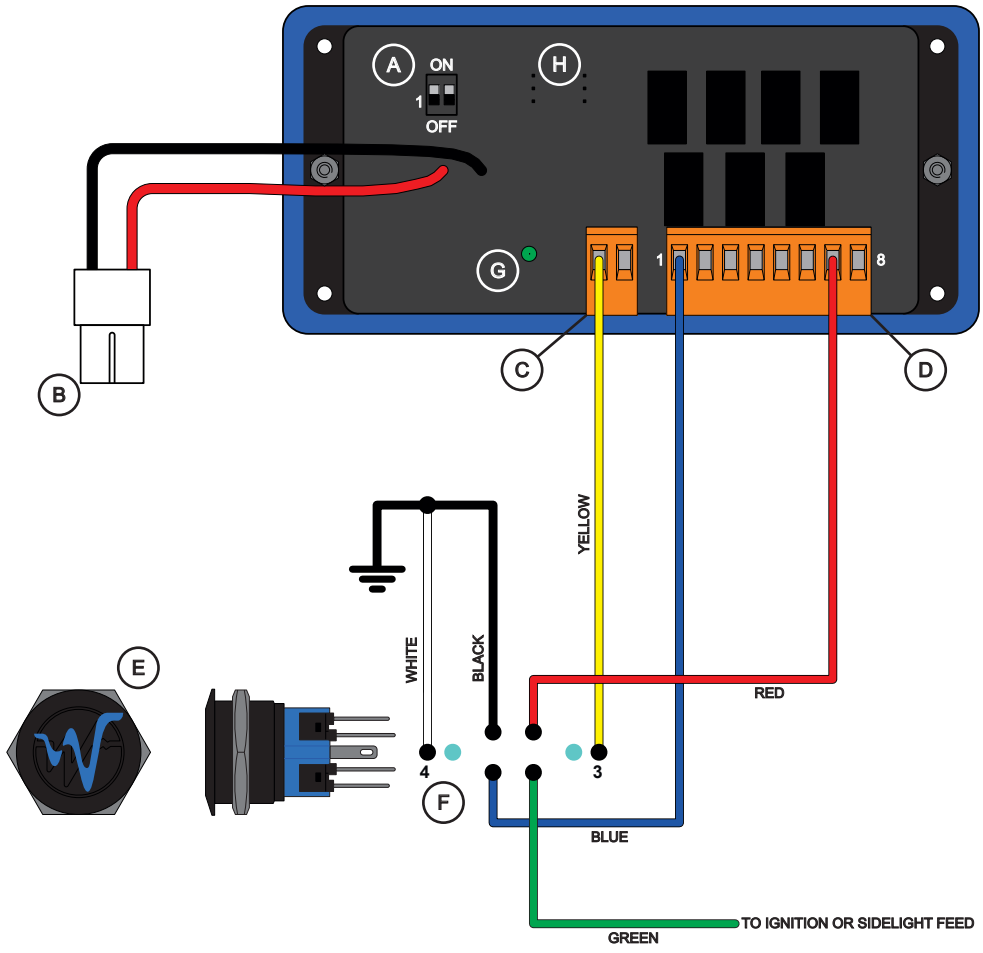
Introduction

The UNI-Link switching system operates in the same way as the Micro-Link cyclic switch, without the need for the full keypad. The UNI-Link relay board has been specifically reprogrammed to function with a single push button control switch. The relay board has 7 high current outputs for controlling external equipment.

System Connection Diagram



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System Connection Diagram Key

	FUNCTION	OUTLETS
A	Dip Switches	With dip switch 1 in the ON position, output 7 will flash 12V With dip switch 1 in the OFF position, output 7 will be a steady 12V
B	Power connector	Input power. Pin 1 is +12VDC fused at 20A, pin 2 is 0V
C	Switch input connector	Negative input from switch. Either terminal can be used.
D	Output connector	The connector is numbered 1-8 as marked above. **Outputs 1-7:** Switched outputs +12V. Use to control external equipment. Maximum total load: 15A Each outlet must be fused appropriately for the load connected to it. **Output 8:** Output 8 is a permanent un-fused output. This terminal is for test purposes only and is not intended to be used for equipment supply.
E	Tri-coloured momentary switch	Used to cycle through 999, arrival and reset modes
F	Connection details	Connections to the rear of the switch. Switch is pre-wired, reference only.
G	Communication LED	Flashes once a second when the UNI-Link is awake.
H	Programming headers	For Woodway use only (not present on all issues of board).

Installation Requirements

The UNI-Link is designed for 12 volt operation only. The relay board must be mounted in a well ventilated and dry location, away from heat sources. The unit will ideally be mounted on a metal surface that can aid the conduction of heat from it.

Under no circumstances should the unit be mounted in an enclosed space that allows heat to build up.

Maximum current per output: 5A
Maximum total output of unit: 15A

Each output must be fused appropriately for the load connected to it.

Operation

The system has been designed for use with a single push button control switch, used to switch between 999, arrival and reset modes.

Each mode of operation will activate preset relay outputs when the button is pressed:

- 999 Mode: Relay outputs 1,2,3,4 and 5 are active. Outputs 1,2 and 3 are dedicated to 999 mode operation. Any features required only during this mode should be wired into them (eg. front blues).

- Arrival Mode: Relay outputs 4,5,6 and 7 are active. Ouputs 6 and 7 are dedicated to arrival mode operation. Any features required only during this mode should be wired into them (eg. rear reds).

- Any features required for **both modes**, for example, rear blues, should be wired into outputs 4 or 5.

- Reset: All relay outputs deactivated.

Outputs 1-6 are always a steady 12V supply when activated. Continue reading for output 7 special function. The grouping of the outputs is set within the units programming and cannot be altered by the user.

Dip Switches

Dip switch 1 is intended to be used to set the state of output 7. When the switch is in the ON position, output 7 will flash 12V, the red aspect of the tri-coloured momentary switch will then be flashing. When the switch is in the off position, output 7 will be a steady 12V, the red aspect of the tri-coloured momentary switch will be steady. Dip switch 2 has no function.

Sleep Mode

After the unit is put into reset mode, all the of relay outputs and LED illumination will deactivate. This will start the internal shutdown timer and the system will go to sleep after 30 seconds. The green LED located on the relay board will stop flashing.

If the control switch is pressed when asleep, the unit will wake from sleep mode and activate 999 mode.

Control Switch Wiring

In order to tell at a glance which mode of operation the unit is currently in, the switch supplied as standard has multi colour LEDs installed.

Blue Wire: When the switch is initially pressed, 999 mode is activated and the LED will light up blue. The blue wire for the switch LED should be connected to terminal 1.

Red Wire: When the switch is pressed a second time, arrival mode is activated and the LED will change to red. The red wire for the switch LED should be conencted to terminal 7. When the switch is pressed a third time, the unit is reset and the LED will go off.

Green Wire: To enable the backlight on the switch, connect either an ignition supply or side light feed (depending on when backlight is required during operation) to the green switch wire.

Black Wire: 0V for the switch LEDs.

White Wire: 0V for the switch. The switch uses a negative input to the relay board to switch between modes.

Yellow Wire: 0V from the switch. When the switch is closed, it provides an earth for the relay board, telling it when to change sleep modes.

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