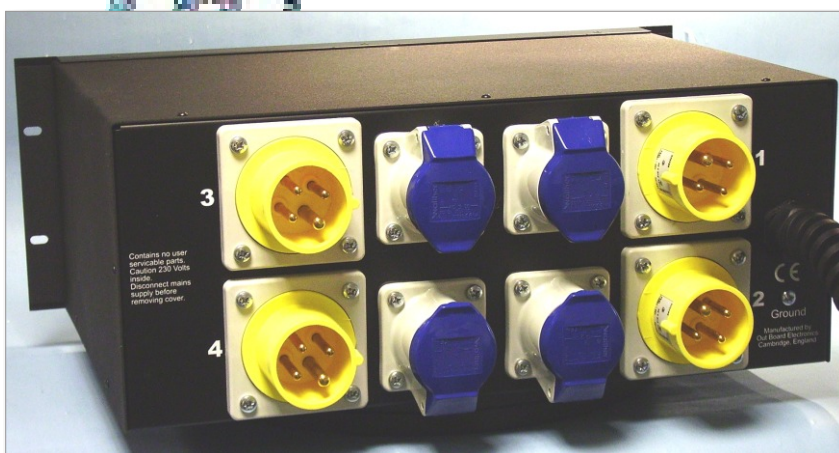


LV4SP Single-Phase Chain Hoist Controller



The LV4SP chain hoist controller, one of our range of control system building blocks, is designed to withstand the rigours of touring and staging life. The LV4SP is housed in a steel rack mount case built with highly serviceable sub-assemblies, and offers the option of compact and ergonomic RC4 or RC8 remote control handsets

- ◆ **Four channels of low-voltage control and single-phase hoist power distro**
- ◆ **Selectable Normal multichannel mode or Pickle mode**
- ◆ **Industry standard rear panel C-Form control and power connectors.**
- ◆ **Optional compact and ergonomic RC4 or RC8 handset for remote control, with built-in Emergency Stop**
- ◆ **Optional remote GO button, link-able across multiple units**
- ◆ **Integral Emergency Stop button, link-able across multiple units. E-Stop circuit features automatic self-test function.**
- ◆ **Internal sub-assemblies designed for optimum serviceability**
- ◆ **Fully compliant with CE directives**



LV4SP Operation and Technical Details

The LV4SP is designed to operate four single-phase low-voltage controlled chain-hoists in staging and rigging applications. It features heavy duty connectors and controls housed in a compact 4U high 19" rack mount chassis making it ideal for touring and fixed applications. The LV4SP fully conforms to European EMC and LVD requirements.

An input MCB provides protection against output overload faults. The MCB is rated at 16A with D characteristic providing 10 - 20 times normal rating for start-up surges.

ON status neon indicator to show the LV4 is powered up

Local Up/Down switches allow the LV4SP to be programmed from the front panel. Hoists are activated to this program by the front-panel GO button or Remote GO via GO Link In. An alternate program can be set on the optional RC4 handset and activated from the RC4 GO button only. Up/Down switches are protected by a crash bar and direction is indicated by green and red LEDs.

With the Mode switch in Pickle position all motors are energized enabling operation from a pickle. In Normal position the LV4SP will only power the motors when Up/Down/Go are selected. Up/Down/GO still work in Pickle mode.

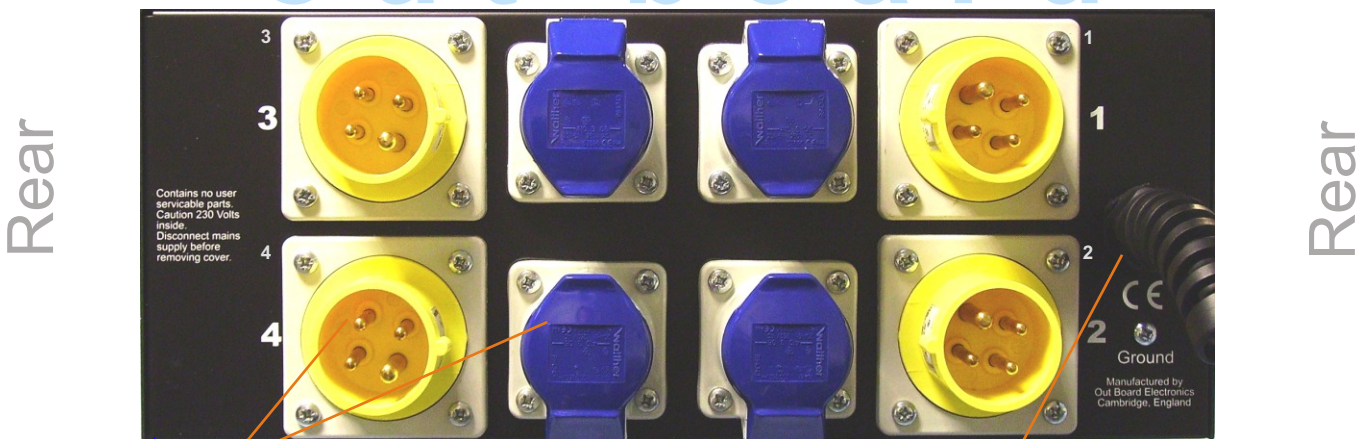
NB: Emergency Stop automatically self-tests by tripping the Main Breaker on connection to supply. Reset Main Breaker to restore full operation.



Remote operation of the LV4SP is available using the optional RC4 remote control handset, which provides Up/Down switches for motor direction, GO and E-Stop. The RC4 handset is connected to the LV4SP via a detachable multicore cable. Two LV4SP's can be run from one RC8 eight-channel handset via an RC Handset Splitter. Programmable control systems such as the IBEX PHC+ can also connect to this Remote Control socket to automate the LV4SP.

After selecting Up/Down on the LV4SP front-panel, hoists are activated using the front panel GO switch or by using the GO Link facility. The GO Link feature allows the LV4SP to be controlled from an optional Out Board roving handheld Remote GO button, and also allows any number of LV4's to be controlled from a common GO command. To initiate a remote GO, pins 2 & 3 are shorted together on the 'GO Link In'. This causes an internal relay to link pins 2 & 3 on the 'GO Link Out' for daisy chaining to the next unit. To connect multiple LV units together, standard 3 pin XLR cables are used to link the 'GO Link Out' of the first LV4SP to the 'GO Link In' of the next. The first unit's front-panel GO or Remote GO switch (connected to the GO Link In) will now control the others.

Front panel Emergency Stop trips the Main Breaker when activated. Works in conjunction with a remote E-Stop button on the RC4 handset, and also optional Out Board remote push-to-break E-stop button connected across pins 2 & 3 of the E-Stop Link In XLR. Multiple LV units can be linked via E-Stop Link Out & In. Recessed switches can disable either remote E-Stop feature independently if either an RC4 handset or remote E-Stop are not plugged in. An LED indicates green when the Emergency Stop feature is disabled. Emergency Stop function automatically self-tests by tripping the breaker on connection to supply - See NB above



Connections to hoists are arranged on individual Yellow male 4-pin C-Forms for Up/Down control and Blue female 3-pin C-Forms with switched single-phase power/earth on each.

Mains power inlet on 1.5m flying lead terminated with Blue 3 pole 16A C-Form cable plug carrying single-phase L, N + E.

Dimensions: H: 4U (17.78cm) x W: 19" (48.26cm) x D: 31cm. Allow 10cm for rear chassis connectors and inlet cable bend radius. Shipping Weight: 10kg

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