



INSTALLATION THEATRICAL ENGINEERING



THE NEXT GENERATION OF POWERFUL HOIST CONTROL

SEMI-PRO

Dynamic. Convenient. Flexible

INTRODUCTION

The Semi-Pro hoist control system is the benchmark for theatres that require a sophisticated system without the requirement for scene control. This control system is suitable for performing arts centres that encompass multiple hoists of different types within a single space that require teachable and preset positioning and variable speed. This system enables the operation of multiple hoists, including chain hoists, zero fleet hoists, chain hoists, house curtains and pile winding winches, all through a unified control system and custom extruded pendant. To facilitate seamless control, the system consists of a switchgear cabinet positioned in proximity to the hoists or within a machine room, along with a separate control panel, usually located on-stage. In cases where the number of hoists is six or less, the switchgear cabinet can also function as a control panel. The control panel allows users to select the desired hoist they wish to operate, after which the pendant is employed to effortlessly raise or lower the selected hoist, drive to preset positions or adjust the speed. The pendant is designed to be pluggable, enabling convenient storage when not in use. Notably, the control panel incorporates a touchscreen Human-Machine Interface (HMI) that provides information regarding system faults or safety status and allows the setting of preset positions.

SAFETY

- Operational & over travel limit switches.
- Electrical isolators to all electrical cabinets.
- Industrial grade e-stop at all electrical cabinets.
- All electrical enclosures are lockable.
- Keyed power switch provided at all control locations.
- Slow Start & Stop reducing system shock load.
- Overload Protection.
- 24v (ELV) Control.
- System inverter brings the load to a controlled stop prior to activating the brakes.
- All electrical safety circuits feature safety relays.
- Only one hoist can be operated at a time using enable pushbuttons on the control panel.
- HMI (Human Machine Interface) provided on Control Panel for efficient fault finding.
- Pendant is pluggable and can be stored away to prevent misuse.



FUNCTIONALITY



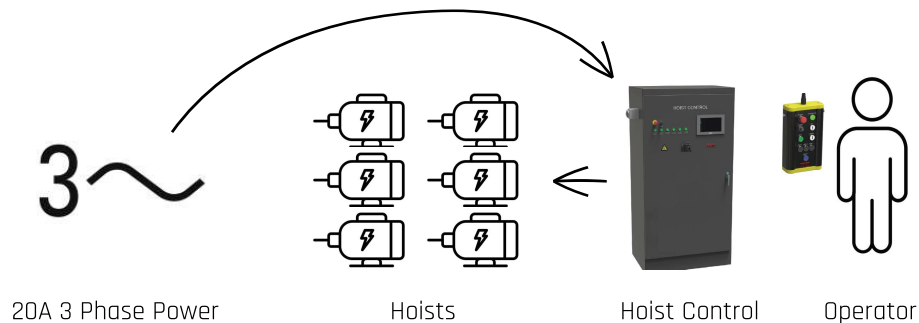
- Simple and efficient plug and play design.
- All pushbuttons are industrial and hold to run.
- Up to 3 preset positions can be taught to each hoist.
- Multi-hoist systems such as chain motor setups are only controllable together to reduce risk of out of balance loads.
- Single control system can run multiple types of hoists such as chain hoists, zero fleets, pile winders and drum hoists.
- Pendants are pluggable to avoid unwanted use.
- Pendant leads are industrial grade and customizable.
- Pendants are extruded alloy industrial grade and ergonomic.
- HMI provides fault indication and safety system information to reduce venue downtime in the event of a fault or safety system activation.
- Speed Pot provided to adjust hoist speed.
- System OK LED provided on pendant to ensure safety system is not active before operating hoists.

TECHNICAL SPECIFICATION (ALL MODELS)

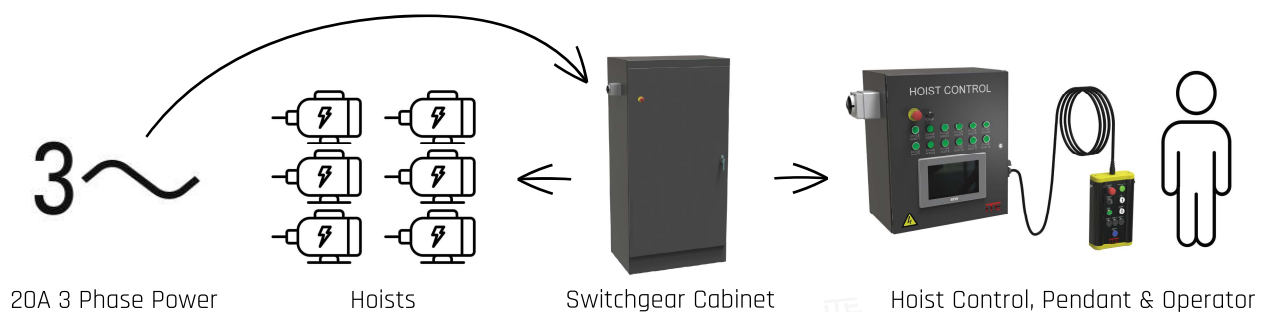
Limits	Upper & lower operational limits, upper & lower over-travel limits fitted as standard
Brakes	Brakes are engaged immediately following all controlled & uncontrolled stops
Variable Speed	Yes- via potentiometer
Teachable Positions	Yes - 3
Run Button	Yes
Control Voltage	ELV
Over current Protection	Yes
Overload Protection	Yes
Fault & Safety HMI	Yes
Enable Buttons	Yes
System Reset Button	Yes
Control	Dead man / Hold to run
Mounting	Flexible Wall mount
Keyed E-Stops	Yes, on switchgear cabinet
E-stops	Yes, on pendant
Isolator	Yes, on switchgear cabinet & control panel
Compatible Hoists	Zero Fleet Hoists, Pile Wind Hoists, Drum Hoists, Line-shaft Hoists, Chain Hoists, House Curtain
Safety Circuit	Yes
Group Control	Optional

POWER REQUIREMENTS & CONFIGURATION

Single Pendant Control (SP-SCC)



Seperate Hoist Cabinet Control (SP-HCC)



WARRANTY

2 Years Standard Parts & Labour.

CONSTRUCTION & CERTIFICATION

All ITE Control Systems are Australian designed and made with parts sourced within Australia.

All ITE Control Systems are designed and engineered as to AS1418 & AS3000.

STANDARD CONFIGURATIONS

Single Cabinet Control (up to 6 hoists) (SP-SCC)



Seperate Hoist Cabinet Control (SP-HCC)





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