



INSTALLATION THEATRICAL ENGINEERING



THE NEXT GENERATION OF SAFE & SIMPLE HOIST CONTROL

ESSENTIALS

Cost Effective. Powerful. Flexible

INTRODUCTION

The Essentials hoist control system provides the simplest type of control designed for theatre productions in schools, drama spaces, and small theatres. This control family is tailored to venues that only require operation of a single hoist at a time. This system is thoughtfully designed to provide efficient, safe and user-friendly control over the moving batten, lighting bar or structure, ensuring smooth and precise movements. It comprises of a control panel with optional pendant on lead, equipped with intuitive 'hold to run' control buttons, allowing operators to effortlessly raise, lower, and stop the hoist as needed. The control panel commonly incorporates a multi-function indicator lamp (MFI), providing real-time feedback on the hoist's status and ensuring safe and reliable operation. This motor control system empowers theatre professionals in smaller venues to setup captivating productions while maintaining a hassle-free and secure environment.

SAFETY

- Operational & over travel limit switches.
- Electrical isolator at winch location.
- Key release e-stop at winch.
- All electrical enclosures are lockable.
- Power switch at all control locations.
- Slow Start & Stop reducing system shock load.
- Continuous hoist speed provided by encoder.
- Overload Protection.
- 24v (ELV) Control.
- E-Stops at all control locations & winch. All E-stops are industrial spring loaded mushroom head. When activated, power is instantly cut to the whole system.
- System inverter brings the load to a controlled stop prior to activating the brakes.
- Plug-in points can be provided in a lockable enclosure to avoid unwanted use.
- All electrical safety circuits feature safety relays.



FUNCTIONALITY



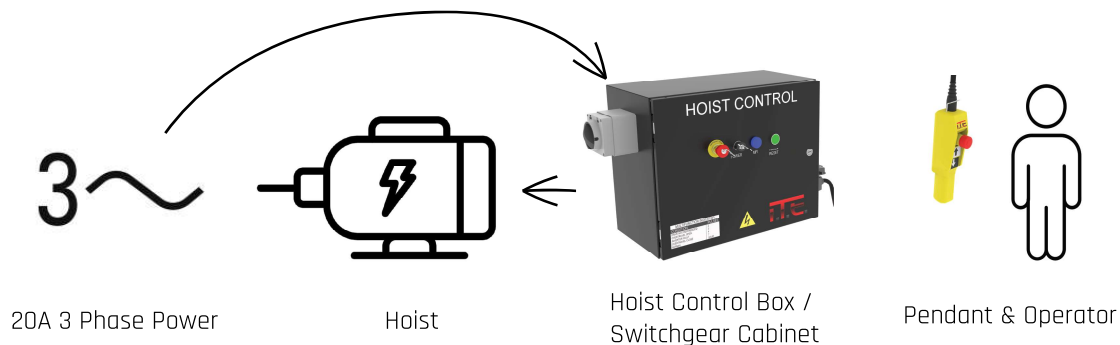
- Simple and efficient plug and play design.
- All pushbuttons are industrial and hold to run.
- Operation limited to up, down & e-stop.
- Multi-hoist systems such as chain motor setups are only controllable together to reduce risk of out of balance loads.
- A single pendant can control multiple types of hoists such as chain hoists, zero fleet hoists, pile winding winches and drum hoists by simply plugging the pendant into the designated control panel for the hoist you wish to operate.
- Pendants are pluggable to avoid unwanted use.
- Pendant leads are industrial grade and customizable.
- Pendants are industrial grade and ergonomic.
- System reset push buttons and fault indication lamps are provided as standard to reduce venue downtime in the event of a fault or safety system activation.
- Control Labeling & colour is fully customizable as required.

TECHNICAL SPECIFICATION (ALL MODELS)

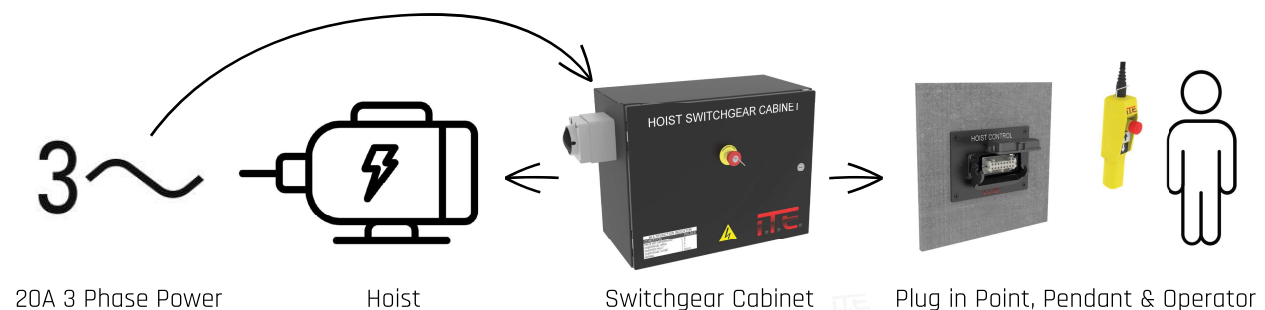
Limits	Upper & lower operational limits, upper & lower over-travel limits fitted as standard Limits are rotary cam.
Brakes	Brakes are engaged immediately following all controlled & uncontrolled stops
Variable Speed	Variable frequency drive & encoders allow for slow start and slow stop and quick re-activation of hoist without requiring a reference travel in the event of a power outage.
Control Voltage	ELV
Overcurrent Protection	Yes
Overload Protection	Yes
Multi Function Indicator	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 control panel
Isolator	Yes, on switchgear cabinet
Compatible Hoists	Zero Fleet Hoists, Pile Wind Hoists, Drum Hoists, Line-shaft Hoists
Safety Circuit	Yes

POWER REQUIREMENTS & CONFIGURATION

Single Pendant Control (E-SPC)



Recessed & Wall Mounted Pendant Control (E-PC-RM/WM) Wall Panel Control (E-WPC)



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

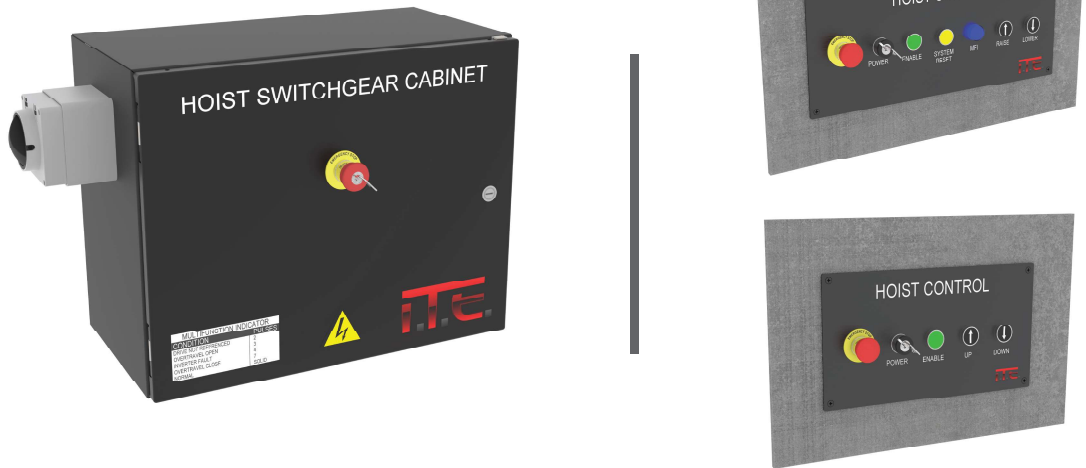
Single Pendant Control (E-SPC)



Recessed & Wall Mounted Pendant Control (E-PC-RM/WM)



Wall Panel Control (E-WPC)





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