



GENERAL DESCRIPTION



Complete from pushbuttons through custom control panels, the I-T-E motor-control line is the easiest to install, the simplest to maintain.

Basic to the line is a completely new single-design concept for all sizes of a-c magnetic contactors and starters. All connections within the starter are built-in with provision for plug-in coils and overload relays.

In addition to magnetic contactors and starters, the

complete line includes manual starters, both fractional and integral horsepower, pushbuttons and pushbutton stations, 300- and 600-volt industrial relays, lighting contactors, combination starters, automatic transfer panels, pumping controls and custom control panels made to individual customer specifications.

A brief description of these basic types of motor control is given on page 2 of this section.



GENERAL DESCRIPTION

MAGNETIC STARTERS

Featuring a completely new concept in motor control design, I-T-E magnetic contactors and starters utilize a single design for all sizes. They mount in any position in the vertical plane. All connections are up front for easy wiring. No tools are required to snap off the cover for contact inspection.

- Coils are encapsulated.
- Control circuits are built-in, no leads or wires to disconnect.
- Overload relays plug in, for fast, sure installation.
- Provisions made for third overload relay and six auxiliary interlock circuits.
- Straight-through wiring to simplify installation.
- Fourth and fifth pole can be added for greater power-pole flexibility.
- Unique holding interlock combines starting and holding functions.

Combination Starters

Fused combination starters feature a specially designed full-load-break "MC" disconnect switch that provides horsepower-rated, snap-action operation.

Circuit-breaker combination starters use an instantaneous trip breaker that has adjustable trip settings which can be supplied with auxiliary contact, shunt trip or under-voltage trip devices.

Multispeed and Reduced-Voltage Controllers

Multispeed and reduced-voltage controllers meet all normal control applications and are available to meet any customer need.

MANUAL STARTERS

Fractional Horsepower

Every important advance in fractional horsepower manual starters is incorporated in the new I-T-E Motor-Minder line of one- and two-pole single-phase starters. Rated up to one horsepower, 240 volt, these are available over-the-counter, either as kits or complete devices, key-operated or toggle-operated. All units, heaters, flush plates, covers, pilot-light kits and nameplates are interchangeable. Designed for simple, straight-through wiring, the starters, will fit into a standard outlet box.

Integral Horsepower

Rated up to 10 horsepower, 600 volt, single or three phase, these new manual starters are available for non-reversing, reversing, and two-speed applications and are designed to meet the full new NEMA ratings for sizes M-0, M-1, and M-1½ in a variety of enclosures.

Outstanding features include straight-through wiring, start-stop push operation and trip-free action that prevents the starter from being held closed against an overload.

A unique option is the "Jog-Run" feature which is available as an accessory kit or a factory form which permits selection of jogging or normal operations with a cover-mounted selector switch. Additional modifications include pilot lights, third overload relay and auxiliary contacts.

PUSHBUTTONS

Complete standard-duty and heavy-duty pushbutton stations are available from stock in a wide variety of enclosures to meet most applications.

Oil-Tite pushbuttons, selector switches, indicating lights and stations are available as components for customer assembly or as complete factory-assembled stations. Custom-assembled stations can be provided to meet any special requirement.

INDUSTRIAL RELAYS

Designed to meet rugged, machine-tool applications, a new series of 300- and 600-volt, 10-ampere industrial relays is available for normal electrically held operations or as latched devices for mechanically held applications. Unique "Stack-On" contact assemblies can be added to a single coil-operator base to provide up to 12 normally open or normally closed contacts. Contacts can be field converted from normally open to normally closed without additional parts.

CUSTOM CONTROL PANELS

Whenever special control requirements call for complex or multi-unit panels, custom control panels can be supplied in open or enclosed configurations engineered to meet the most complex application. These may include "mimic-bus" operating consoles, complete wall-mounted, free-standing, or floor-mounted equipment.