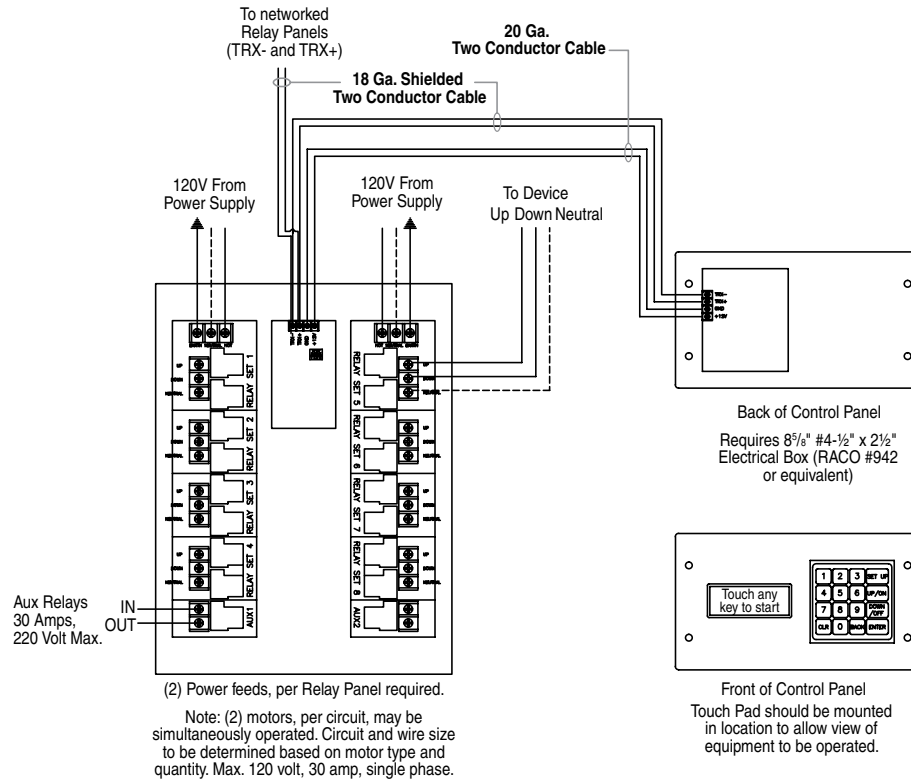


MEC Pad Plus Control System

Gym Equipment
Group Control
System



Specifications—MEC Pad Plus Control System

Progressive's MEC Pad Plus is a gymnasium equipment controller that replaces the need for key switches to operate gymnasium equipment devices including backstops, divider curtains, electric height adjusters, practice cages, overhead volleyball systems and other directional type equipment that fits within system ratings. System can also control on-off type items like scoreboard power, PA system power or lights. The system consists of some combination of Touch Pads with 3 line LED text readouts and electrical enclosures that house printed relay circuit boards. As many as (16) Relay Boxes may be networked to allow up to (128) gym equipment devices and up to (32) auxiliary items to be operated by the same Touch Pad. Multiple Touch Pads may be used with one or more Relay Boxes. Devices and auxiliary relays may be operated individually or as a member of one or more groups.

The low voltage Touch Pad, 12V DC, will provide communication to the Relay Box enclosure and should be mounted at such a position in the gymnasium as to allow a clear line of sight to all the equipment under the control of the system. The Touch Pad is flush mounted and fits into a standard 8⁵/₈" x 4¹/₂" x 2¹/₂" electrical box (RACO Box #942 or equivalent). Touch Pads have password protection to prevent usage by unauthorized personnel. Password protection is programmable and is multi-level with a 6-digit user's security code as well as a separate 6-digit supervisor's code. User code allows for operation of individual devices and pre-defined groups. Supervisor's code allows same functions as user's code plus the ability to change passwords, define groups and change reset time period. Touch Pad also has a hard coded manufacturer's backdoor password which can be provided by Progressive in case passwords are compromised or forgotten. Touch Pad automatically reverts back to secure mode if inactive for more than the user defined reset time period.

Each Touch Pad can support up to (9) groups with a maximum of (8) devices per group. A maximum of (4) items per Relay Box can be included in a single group, so a minimum of two Relay Boxes are required to create a group of (8) devices. All groups are stored in the Touch Pad, so each Touch Pad may include unique group combinations. Touch Pad includes logic that prevents the creation of groups that may result in circuit overload.

Relay Boxes distribute power to the appropriate device to be operated as a result of commands entered at the Touch Pad. Relay Boxes are dual powered and sized to accept two 120 volt, 30 amp, single phase circuits per Relay Box. (Actual circuit size to be determined by requirements of devices connected to relays.) Each Relay Box comes standard with eight sets of 30 amp momentary contact relay pairs as well as two 30 amp auxiliary relays. The momentary contact relay pairs are for controlling directional functions of gymnasium equipment or similar devices. The auxiliary relays are to control continuous contact items such as stage lights, PA systems, shot clocks or scoreboards (up to 250 Volt, 30 amp). Continuous relays require their own dedicated power source. Relay Boxes are surface mount design and measure 11" x 14¹/₂" x 3¹/₄" (279 mm x 368 mm x 83 mm). Relay Boxes should be mounted in a position to minimize high voltage wire runs.

The MEC Pad Plus System shall be warranted for a period of one year to be free from manufacturing defects.

The conduit, wiring and programming shall be the responsibility of the electrical contractor. Progressive does not warrant any of the electrical work done by others. Any damage caused by faulty wiring or electrical problems shall not be the responsibility of Progressive Sports Construction Group.

Please Mark Appropriate Selections

- MEC Pad Plus Touch Pad (Part Number 503057)
How Many? _____
- MEC Pad Plus Relay/Processor Box (Part Number 503058)
How Many? _____



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PROJECT: _____
ARCHITECT: _____
CONTRACTOR: _____
SUPPLIER: _____
DATE: _____ REVISED: _____