

# Smart Gym Group Control Systems

Enables group control of electrically operated gym equipment



## Specifications—

For control of Basketball Backstops, Height Adjusters, Gymnasium Divider Curtains, Overhead Volleyball Systems, Mat Lifters, and other electrical products specify the Smart Gym Control System by Draper. Each System consists of a 503024 Smart Gym Processor Assembly, one or more Smart Gym Touch Screens or Wi-Fi Tablet kits and one or more Smart Gym Relay Panel. Relay panels include multiple relays with the specific relay panels or combination of relay panels chosen to best match specific requirements.

Smart Gym is capable of controlling thousands of devices from the same processor and is programmed to fit specific project needs. Smart Gym can operate items individually or as a member of one or more groups. Group functions are limited by the number of circuits available, the specific items connected to each circuit and what devices an operator can reasonably observe during operation. Careful project planning can allow large and highly functional groups and even groups that simultaneously operate devices in opposite directions. Contact Draper or your local Draper Gymnasium Equipment Representative for assistance with planning for the use of a Smart Gym Control System

User interfaces with Smart Gym system with Touch Screen (503338 - 4.3" Text Screen, 503339 7" Graphical Screen or 503340 -10.1" Graphical Screen) or using an optional 503442 Wi-Fi kit and IOS® or Android® tablet with appropriate application and project specific program loaded. See separate specification sheets for interface devices.

Devices are controlled with relay panel(s) that are chosen and configured to fit specific project conditions. Each relay is flexible and can be programmed to operate with momentary (required for directional gymnasium equipment) or maintained (for lights or scoreboard power, etc.) contact. Items that operate directionally require two relays each and on/off type items require one relay each. Relays can control devices at up to 277 volts and are also capable of providing dry contact closure for devices controlled with low voltage. Relay panel allows circuits to be shared among multiple items being operated or can be fed with one circuit for each item being operated. – See separate relay panel specification sheet for more details. Relay Panel includes ability to individually operate devices from the relay panel in the event of control processor or touch screen malfunction.

### Electrical Contractor or other parties shall provide and install:

- ① All Conduits complete with wire from power source to control processor, from power source to relay panels, from relay panels to devices being operated, from control processor to relay panels (low voltage), from control processor to touch screen (Ethernet).
- ② If optional Wi-Fi Tablet Control Kit is Included – all conduits including wire from power source to Wireless Access Point and from control processor to Wireless Access Point (Ethernet)
- ③ Appropriate wall box for specific touch screen as indicated on submittal document for that product.

## Please Mark Appropriate Selections

- 503024 Smart Gym Processor Assembly in 18" x 18" x 6" surface mount enclosure      Quantity: \_\_\_\_\_
- Smart Gym Interface
- 503338 - Smart Gym 4.3" Color Text Touchscreen      Quantity: \_\_\_\_\_
- 503339 - Smart Gym 7" Color Graphic Touchscreen      Quantity: \_\_\_\_\_
- 503340 - Smart Gym 10.1" Color Graphic Touchscreen      Quantity: \_\_\_\_\_
- 503342 - Smart Gym WiFi Kit (for use with IOS® or Android® tablet)      Quantity: \_\_\_\_\_
- Smart Gym Relay Panel in surface mount enclosure
- 503062 - 8 Relays      Quantity: \_\_\_\_\_
- 503063 - 16 Relays      Quantity: \_\_\_\_\_
- 503064 - 24 Relays      Quantity: \_\_\_\_\_
- 503066 - 32 Relays      Quantity: \_\_\_\_\_
- 503067 - 40 Relays      Quantity: \_\_\_\_\_
- 503068 - 48 Relays      Quantity: \_\_\_\_\_
- 503069 - 56 Relays      Quantity: \_\_\_\_\_

PROJECT: \_\_\_\_\_

ARCHITECT: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_

SUPPLIER: \_\_\_\_\_

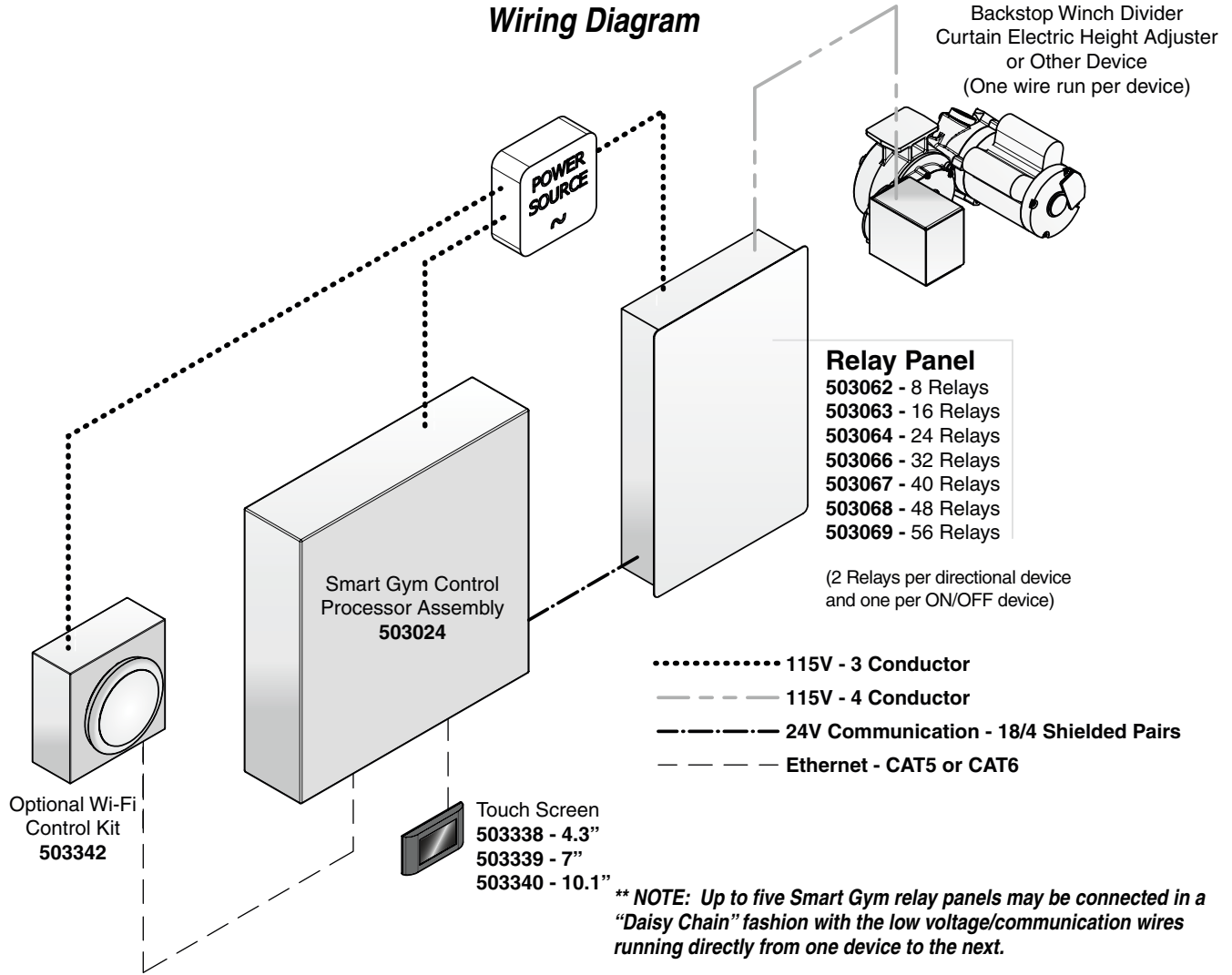
DATE: \_\_\_\_\_ REVISED: \_\_\_\_\_



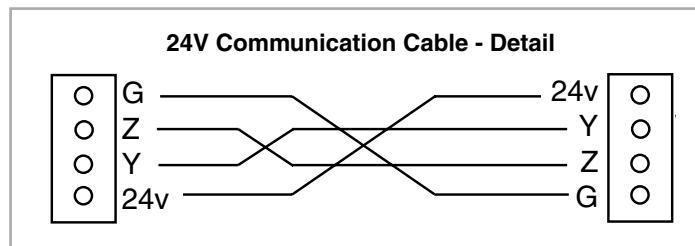
411 S. Pearl St., Spiceland, IN 47385 USA ■ 765-987-7999  
www.draperinc.com ■ fax 765-987-7142

# Smart Gym Group Control Systems by Draper

## Wiring Diagram



## Processor / Relay Panel Cable Connections



## Backstops, Divider Curtains, Height Adjusters, OVS Volleyball System and other Directional Devices

