

QUICK PROGRAMMING & ERASE GUIDE

No. 2555 POWR-TOUCH® 2.5 CONTROL SYSTEM

This guide assists individuals who are familiar with the Powr-Touch® 2.5 system. It provides a quick reference for all steps required to program the relay panels, and to erase device assignments. For more detailed information, please refer to the primary Installation, Operation & Maintenance Manual.

Before beginning any programming, you must be able to identify what equipment is connected to which relay set. Refer to the gymnasium floor plan or the Custom Equipment Legend for device number assignment. Relay Set Terminal Assignment Worksheets illustrating the relay panels are included with each relay panel – they are to be filled in by the electrician to annotate the equipment number assignments (an example is shown on page 3).

Programming Guide

For systems with more than one TouchPad, programming can be done from any TouchPad in the system. Note – While programming, you do not have to enter the password to activate the system.

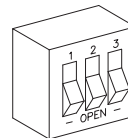
Set the TouchPad to Address 0 (Program mode) by pushing all three dip switches on the back of the TouchPad to the closed position. See detail at right.

Each piece of equipment is programmed at the TouchPad with the same sequence:

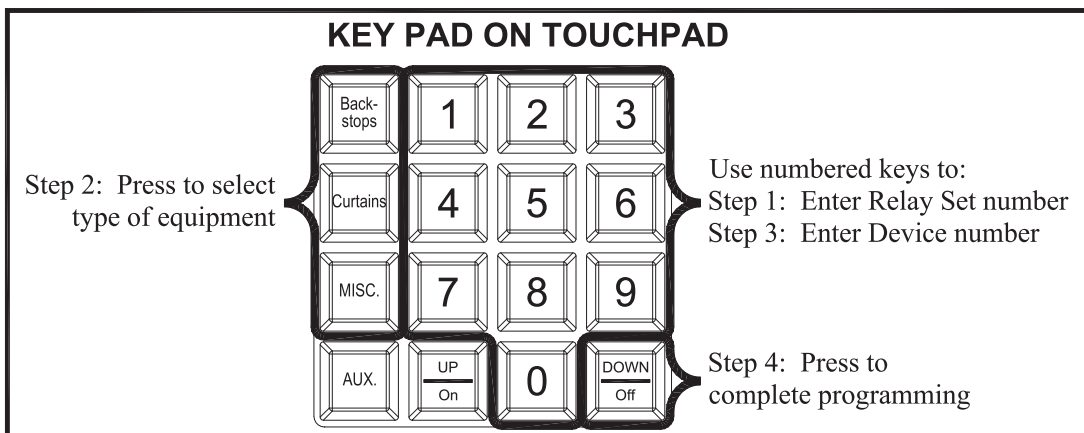
1. Tell the system which Relay Set you are programming (**001** through **128**).
2. Tell the system what type of equipment is to be operated (**Backstops, Curtains, MISC.**).
3. Tell the system the pre-assigned number of the Device being controlled (**01** through **99**).
4. Press the **DOWN / Off** button.

If the programming sequence has been performed properly, the TouchPad LED will illuminate **red** for half a second. After programming is complete, the TouchPad dip switch must be reset to its previous valid address (1 thru 7).

DIP SWITCH ON TOUCHPAD



DIP SWITCH SHOWN IN PROGRAM MODE (ALL SWITCHES CLOSED)



Note – When punching in the Relay Set number, you must enter it as a three-digit number (**001**, not **1**). When punching in the Device number, you must enter it as a two-digit number (**01**, not **1**).

Suggestion – With the TouchPad set to Program mode, it will be easier to program all equipment in succession. After all programming has been completed, all equipment can then be tested in succession.

If programming cannot be performed successfully, double-check the following:

- Verify all relay panel address settings (see chart on page 14 of the manual). Verify that one panel is set to Address 0. This panel is the Master panel – one Master panel must be present in the system.
- Verify that the four communication wires are present between each touchpad and a relay panel. Also verify that the ends of each wire are connected to matching terminals: +12V, GND, COMM+, COMM-. See wiring diagram on page 16 or 17 of the manual.

Continue to pages 2 and 3 for additional programming notes.

Shown below is a sample of the programming steps for individual versus multiple operation of four backstops.

Individual Operation (Backstops 3 thru 6 Operate Individually)

Example No. 1:

To program **Backstop 3** to **RELAY SET B** (002) on panel address "**0**":

1. Enter the relay set number: **002**
2. Press the device type: **Backstop**
3. Enter the device number: **03**
4. Press the **DOWN / Off** button.

Example No. 2:

To program **Backstop 4** to **RELAY SET E** (005) on panel address "**0**":

1. Enter the relay set number: **005**
2. Press the device type: **Backstop**
3. Enter the device number: **04**
4. Press the **DOWN / Off** button.

Example No. 3:

To program **Backstop 5** to **RELAY SET A** (009) on panel address "**1**":

1. Enter the relay set number: **009**
2. Press the device type: **Backstop**
3. Enter the device number: **05**
4. Press the **DOWN / Off** button.

Example No. 4:

To program **Backstop 6** to **RELAY SET G** (015) on panel address "**1**":

1. Enter the relay set number: **015**
2. Press the device type: **Backstop**
3. Enter the device number: **06**
4. Press the **DOWN / Off** button.

Multiple Operation (Backstops 3 thru 6 Operate Simultaneously)

Example No. 1:

To program **Backstop 3** to **RELAY SET B** (002) on panel address "**0**":

1. Enter the relay set number: **002**
2. Press the device type: **Backstop**
3. Enter the device number: **60**
4. Press the **DOWN / Off** button.

Example No. 2:

To program **Backstop 4** to **RELAY SET E** (005) on panel address "**0**":

1. Enter the relay set number: **005**
2. Press the device type: **Backstop**
3. Enter the device number: **60**
4. Press the **DOWN / Off** button.

Example No. 3:

To program **Backstop 5** to **RELAY SET A** (009) on panel address "**1**":

1. Enter the relay set number: **009**
2. Press the device type: **Backstop**
3. Enter the device number: **60**
4. Press the **DOWN / Off** button.

Example No. 4:

To program **Backstop 6** to **RELAY SET G** (015) on panel address "**1**":

1. Enter the relay set number: **015**
2. Press the device type: **Backstop**
3. Enter the device number: **60**
4. Press the **DOWN / Off** button.

In the above individual and multiple programming examples, Backstops 3, 4, 5 or 6 will operate individually when the operator at the TouchPad enters **Backstop 3, 4, 5 or 6** and presses and holds either the **UP** or **DOWN** button. These four backstops will operate simultaneously when the operator at the TouchPad enters **Backstop 60** and presses and holds either the **UP** or **DOWN** button.

Multiple Operation notes:

- A maximum of eight (8) backstops or height adjusters can be operated simultaneously, and a maximum of four (4) curtains can be operated simultaneously (multiple operation).
- Only two members of a multiple set can be powered per relay bank (see pages 11, 16 and 17).
- Any device number can be assigned to operate a multiple operation set, but number assignments 50 thru 99 are recommended.
- Only the **Backstop** and **MISC.** function keys can be programmed for maximum multiple set of eight devices. The **Curtain** function key can be programmed for maximum multiple set of four devices.
- A Powr-Touch® 2.5 system with only one relay panel can control only four devices simultaneously. A minimum of two relay panels is required to control a multiple set of up to eight devices.

Checklist

It is highly recommended that a checklist be created before programming is started. The checklist will show every device that needs to be programmed. As each device is programmed, you can check it off the list. The checklist is especially useful when backstops and height adjusters will be operated individually and in multiples.

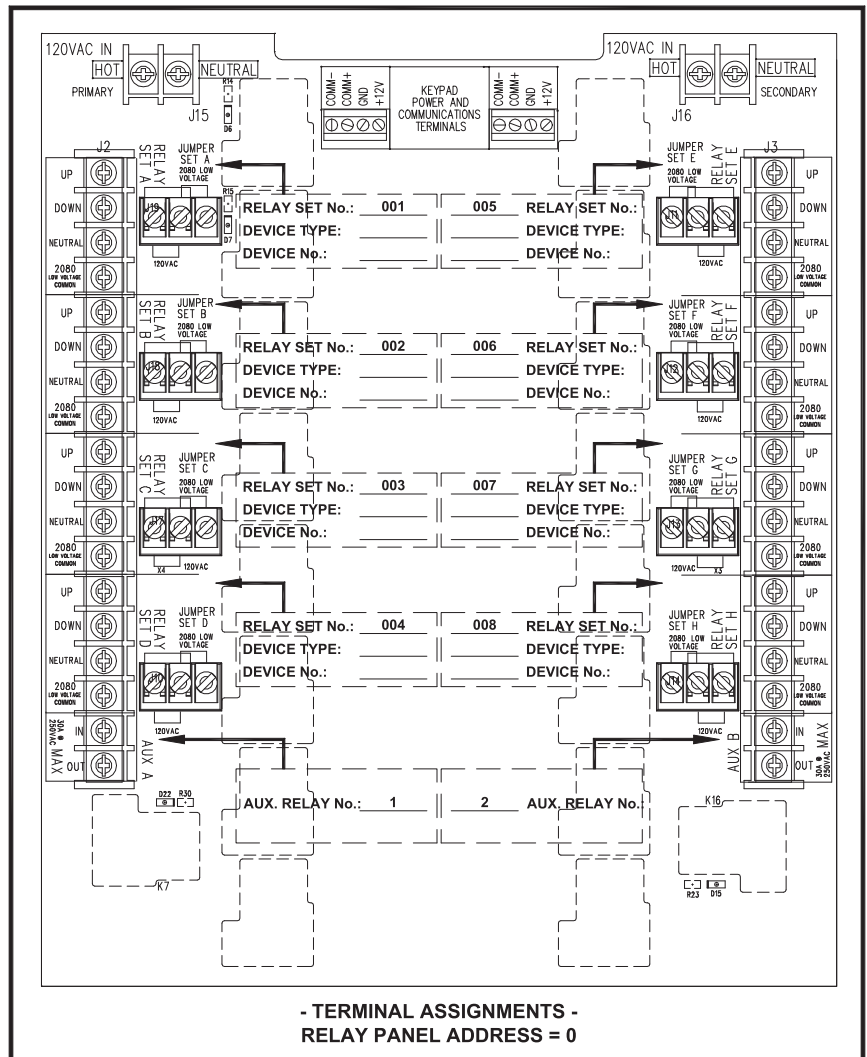
Shown at right is a checklist for a facility with six backstops: two on one main court, and four on two cross courts. Each backstop can be operated individually (Backstop 1 thru 6). Backstop 50 operates both main court backstops (1 and 2). Backstop 51 operates one of the cross courts (Backstops 3 and 4). Backstop 52 operates the other cross court (Backstops 5 and 6). Backstop 60 operates all four cross court backstops (Backstops 3, 4, 5 and 6). Also part of this system are two divider curtains.

The checklist shown at right is strictly an example. The actual equipment configuration at each job site will be different and unique. Create your own checklist accordingly.

Relay Set No.	Device Type	Device No.	Programmed
001	Backstops	01	<input checked="" type="checkbox"/>
006	Backstops	02	<input type="checkbox"/>
002	Backstops	03	<input type="checkbox"/>
005	Backstops	04	<input type="checkbox"/>
009	Backstops	05	<input type="checkbox"/>
015	Backstops	06	<input type="checkbox"/>
001	Backstops	50	<input type="checkbox"/>
006	Backstops	50	<input type="checkbox"/>
002	Backstops	51	<input type="checkbox"/>
005	Backstops	51	<input type="checkbox"/>
009	Backstops	52	<input type="checkbox"/>
015	Backstops	52	<input type="checkbox"/>
002	Backstops	60	<input type="checkbox"/>
005	Backstops	60	<input type="checkbox"/>
009	Backstops	60	<input type="checkbox"/>
015	Backstops	60	<input type="checkbox"/>
007	Curtains	01	<input type="checkbox"/>
016	Curtains	02	<input type="checkbox"/>

Relay Set Terminal Assignment Worksheet

Shown at right is an example of the worksheet that is to be completed by the electrician who installed and wired the relay panel. There will be a unique worksheet for each relay panel (Address 0 through Address 15). These worksheets are essential when identifying what equipment is connected to which relay set. Have these completed worksheets at your disposal before beginning any programming.



Programming Erase Guide

All devices that are programmed properly in the Powr-Touch® 2.5 are held in the system's memory. If a device number has been programmed/assigned to eight relay sets, it cannot be programmed to additional relay sets. If a mistake was made during the programming sequence and a device number was accidentally assigned to the wrong relay set, an erase procedure will be required. Refer to the erase options examples below.

Complete system erase:

Note: This procedure will erase **all** device assignments in the Powr-Touch® 2.5 system.

1. Set the No. 12550-100 TouchPad dip switch to address "0" (Program mode)
2. Enter **999**
3. Enter **Backstop 00**
4. Press the **DOWN / Off** button.

Individual device assignment erase:

Note: This procedure will erase the device number assignment selected in the Powr-Touch® 2.5 system.

1. Set the No. 12550-100 TouchPad dip switch to address "0" (Program mode)
2. Enter **900**
3. Enter the device type and number. Example: **Backstop 03**
4. Press the **DOWN / Off** button.


In the above example, Backstop 3 will be erased from all memory locations (single and multiple operation) in the Powr-Touch® 2.5 system.

Relay panel erase:

Note: This procedure will erase all device number assignments in the selected Powr-Touch® 2.5 relay panel.

1. Set the No. 12550-100 TouchPad dip switch to address "0" (Program mode)
2. Calculate the code number to enter. To erase relay panel address "0", add the number "1" to the relay panel address number, then add the constant number "900". Example: Relay panel address "0" +1 + 900 = 901.
3. Enter **901**
4. Enter **Backstop 00**
5. Press the **DOWN / Off** button.

In the above example, all device number assignments in relay panel address "0" will be erased.

 **WARNING:** This product can expose you to Titanium Dioxide, which is known to the State of California to cause cancer. For more information go to www.p65warnings.ca.gov.

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