

# UNITRACK



- The Unijoiner reliably and securely connects track sections together time after time, minimizes the potential of frustrating breaks in the rail and derailments.
- Code 83 Nickel Silver Rail is used for optimal model performance.



## 22-014

### KATO Power Pack

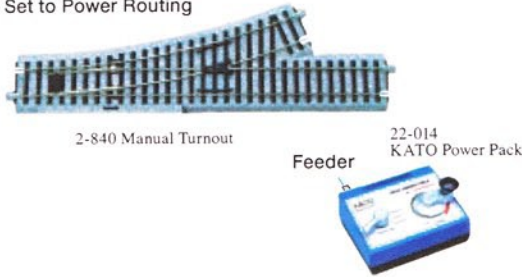
- Kato Power Pack provides Analog DC power with simplified wiring connections to the "Feeder Track" using a unique keyed plug/socket system. The Kato Power Pack also provides simple connection to the Kato Turnout Control Switches (#24-840). By utilizing the Kato Turnout Control Switches for your remote turnout, you enhance your train operation for both DC and DCC operation.
- 12V DC, 1Amp Output. Reset Switch equipped for protection from short circuit damage. Adapter Cord to connect with other brand's track included.

**UNITRACK Turnouts meet your operation needs for both Analog DC and DCC (Digital Command Control) environments.**

### Analog DC & Manual Turnout

This setting is ideal for controlling a train you desire, while parking other trains on the siding under a KATO Power Pack environment.

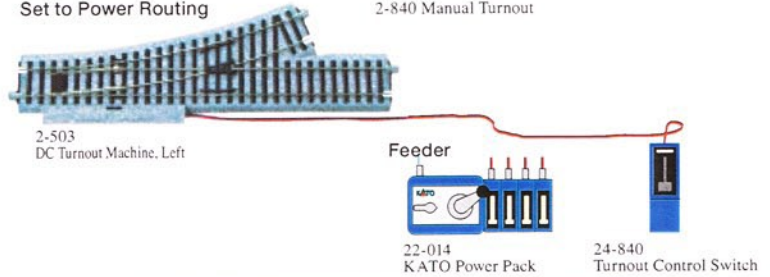
#### Set to Power Routing



### Analog DC & Remote Turnout

This setting is ideal for controlling the switch from a switch controller, like a "real" dispatcher, under an analog KATO Power Pack environment. An optional Turnout Control Switch (24-840) and a DC Turnout Machine (2-503) is required.

#### Set to Power Routing



### DCC & Manual Turnout

This setting is ideal for controlling multiple trains at the same time under a DCC Digitrax "Zephyr" environment with a KATO Power Pack connected to "Zephyr" JUMP Port as the second control source.

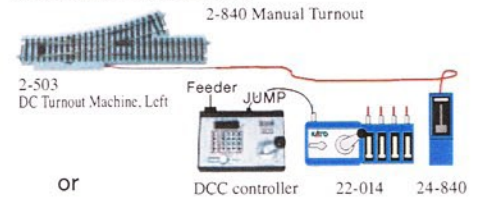
#### Set to Non-Power Routing



### DCC & Remote Turnout

(a) With DC Turnout Machine (2-503): This setting is ideal for two-train operation on the same track with controlling the switch from a switch controller, be a "real" engineer and dispatcher, under a DCC Digitrax "Zephyr" environment with a KATO Power Pack connected to "Zephyr" JUMP Port as the second control source.

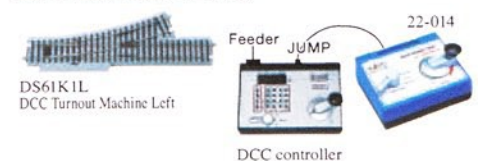
#### Set to Non-Power Routing



OR

(b) With DCC Turnout Machine (sold by Digitrax): This setting is ideal for two-train operation on the same track with modern remote control of your switches under a DCC Digitrax "Zephyr" environment with a KATO Power Pack connected to "Zephyr" JUMP Port as the second control source.

#### Set to Non-Power Routing



- **Power Routing** comes factory set on a Kato turnout to allow electricity to go only to the route the turnout is thrown for and not the other route. Power Routing under DC (12VDC Power Pack) environment is ideal for controlling a train you desire, while parking other trains on the siding.
- **Non-Power Routing** is ideal for controlling multiple trains at the same time under a DCC environment. By selecting Non-Power Routing on a Kato turnout, it allows electricity to go to both routes regardless of the direction of the turnout position.



## 3-102

### HO Basic Unitrack Set

This basic starter set builds an approximate 6'11" x 3'10" oval layout. Use the HO Track set as packaged for the simplest of operations, or combine it with additional Unitrack sections and turnouts to create a larger and more elaborate layout.



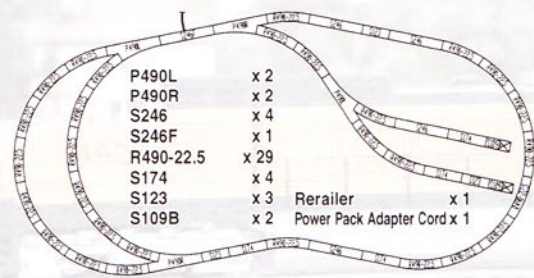
Layout Size: 6'11" x 3'10"



## 3-103

### HO Unitrack WGH Plan Set

Contains all of the track needed to fully build the 4' x 8' layout, recommended as the best layout plan in the World's Greatest Hobby video, "Building Your First Layout." Turnouts are selectable for Power Routing with DC operation and for Non-Power Routing with DCC operation.

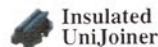


Layout Size: 4' x 8'



**UniJoiner**

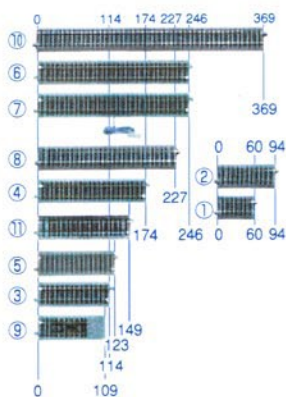
The feature of UniJoiner maximizes the tolerance of asperity on the surface of tables, shelves or floors. The UniJoiner maximizes the tolerance of selecting track pieces to meet your layout plan configurations.



**Insulated UniJoiner**

A "block" is a section of track long enough to hold a complete train (minimum requirement) on the main line or short enough to hold just a locomotive on a siding in a yard. This makes it ideal for additional operations and controls under DCC (Digital Command Control) and which also allows for more advanced train detection.

## Straight Track



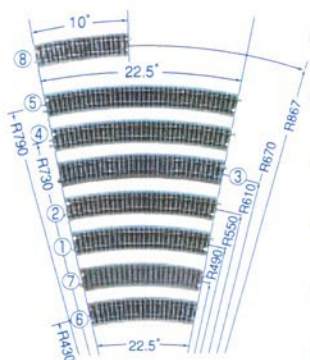
Bumper Track



90° Crossing

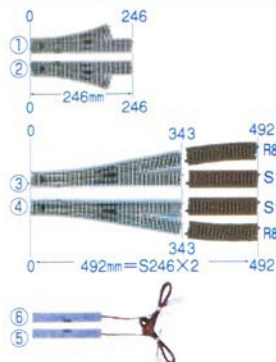
- 1 **2-105** 60mm (2 3/8") Straight Track (4ea.)
- 2 **2-111** 94mm (3 11/16") Straight Track (2ea.)
- 3 **2-120** 114mm (4 1/2") Straight Track (4ea.)
- 4 **2-130** 174mm (6 7/8") Straight Track (4ea.)
- 5 **2-140** 123mm (4 7/8") Straight Track (4ea.)
- 6 **2-150** 246mm (9 3/4") Straight Track (4ea.)
- 7 **2-151** 246mm (9 3/4") Feeder Track
- 8 **2-160** 227mm (8 15/16") Straight Track (2ea.)
- 9 **2-170** 109mm (4 1/4") Bumper Track (2ea.)
- 10 **2-180** 369mm (14 1/2") Straight Track (4ea.)
- 11 **2-193** 149mm (5 7/8") Straight Track (2ea.)
- 12 **2-401** 60mm (2 3/8") 90° Crossing

## Curve Track



- 1 **2-210** 550mm (21 5/8") Radius 22.5° Curve Track (4ea.)
- 2 **2-220** 610mm (24") Radius 22.5° Curve Track (4ea.)
- 3 **2-230** 670mm (26 3/8") Radius 22.5° Curve Track (4ea.)
- 4 **2-240** 730mm (28 3/4") Radius 22.5° Curve Track (4ea.)
- 5 **2-250** 790mm (31 1/8") Radius 22.5° Curve Track (4ea.)
- 6 **2-260** 430mm (16 7/8") Radius 22.5° Curve Track (4ea.)
- 7 **2-270** 490mm (19 1/4") Radius 22.5° Curve Track (4ea.)
- 8 **2-290** 867mm (34 1/8") Radius 10° Curve Track (2ea.)

## Turnouts & Turnout Machines



- 1 **2-840** Left Manual Turnout with 490mm (19 1/4") Radius Curve
- 2 **2-841** Right Manual Turnout with 490mm (19 1/4") Radius Curve
- 3 **2-862** #6 Left Manual Turnout with 867mm (34 1/8") Radius Curve
- 4 **2-863** #6 Right Manual Turnout with 867mm (34 1/8") Radius Curve
- 5 **2-503** DC Turnout Machine, Left For 2-840 & 2-862
- 6 **2-504** DC Turnout Machine, Right For 2-841 & 2-863

## Additional Components



**2-502**

Rerailer

The Rerailer is a guide that is placed on top of the track and allows you to easily guide your cars and locos onto the track.



**24-039**

Unitrack Ballast (200gram)

Ballast mixed to match Unitrack and used to ballast areas between tracks, and blend roadbed to surrounding scenery.



**24-815**

UniJoiner (20pcs.)

UniJoiner's (track connector) simple design provides reliable and secure connections between tracks.



**24-816**

Insulated UniJoiner (20pcs.)

Insulated UniJoiners are used for electrically separating sections "blocks" on your layout.



**24-818**

Terminal UniJoiners

Terminal UniJoiners are wired, and replace the Feeder Track. They make it easy to feed power to curves, between switches and areas you do not want to plan a small piece of straight track.



**24-825**

DC Extension Cord

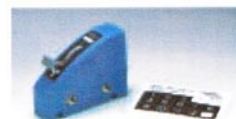
The DC Extension Cord is used to extend the wire distance between Power Pack and track power feeds. It plugs into the power cord from the power, and into the plug from the track power cord.



**24-827**

3-Way Extension Cord

The 3-Way Extension Cord, simplifies wiring by allowing you to connect 3 items together to a power feed.



**24-840**

Turnout Control Switch

The turnout Control Switch is used at the power pack location, to throw a turnout on the layout.



**24-841**

Turnout Extension Cord

The Turnout Extension Cord is used to extend the wire distance between the Turnout Control Switch and Turnout.



**24-842**

DC Converter for Turnout Control Switches

The DC Converter is connected to power supply's 18V AC Output and converts the AC to DC for use by the Turnout Switch Control.



**24-843**

Power Pack Adapter Cord

Connect Kato plugs to any power pack screw terminals