

# KARTROL EXE - COMPONENTS/TRACK LAYOUT

**Legend**

direction of travel

Go-Kart

Pit Loop wire

①

Top view of Table Top Console.  
 Optional Remote (#1-60-9009) switch box plugs into this DIN connector

Optional weather proof protective enclosure for table top console (part #CC-KARTROL-EXE)

## Kartrol EXE Table Top Console

The Kartrol EXE table top Console should be located in the pit area in such a place where as the attendant has a clear view of the track and the track operators.

**Consists of parts #1-60-9005 (console) and #1-60-9013 (transformer).**  
 See page 3 for installation instructions.

②

## Kartrol EXE Pit Controller Generator

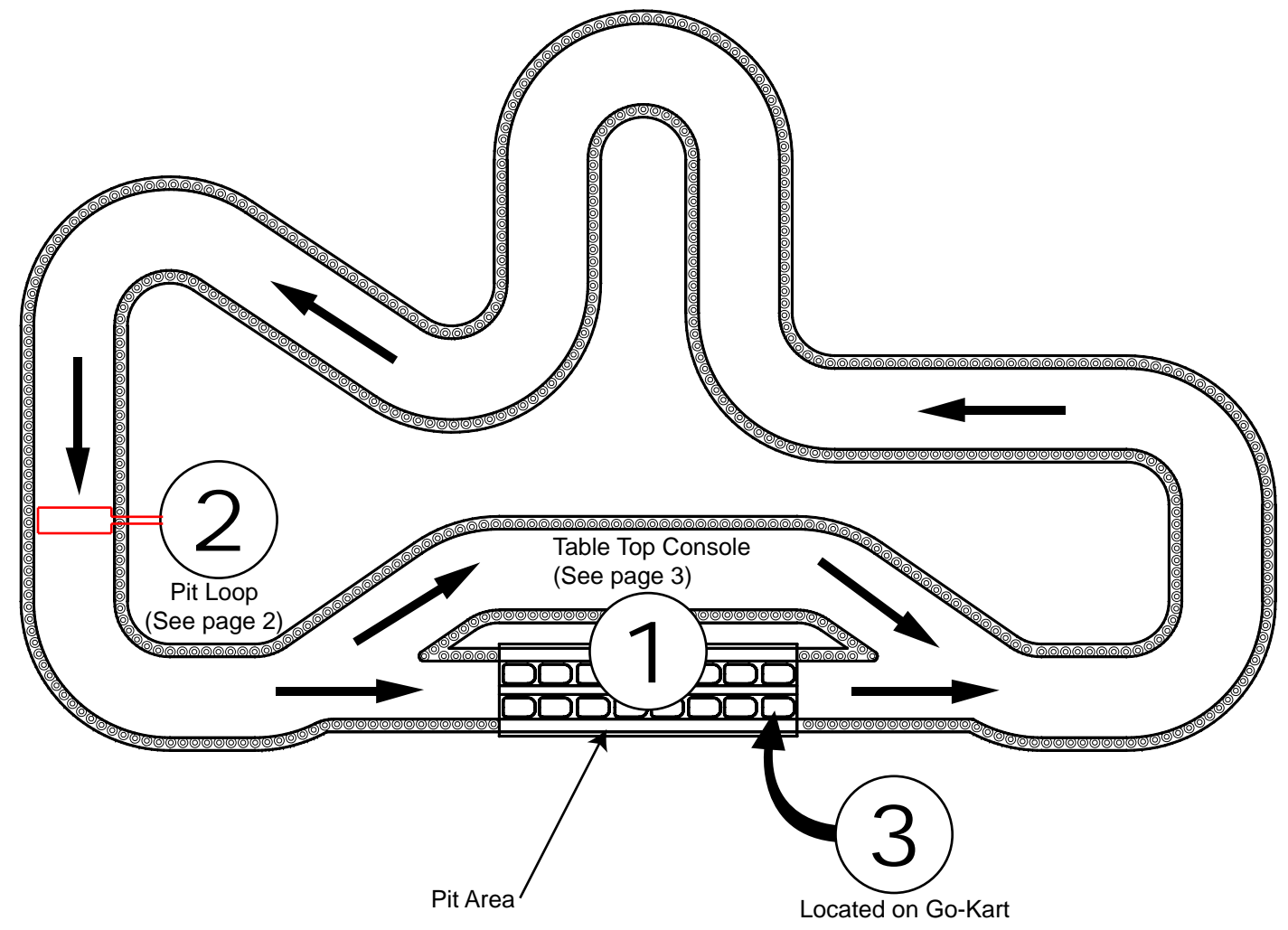
Location determined by layout of track. Position should be determined by placing pit loop in such a place as to ensure go-karts are completely slowed to pit speed before entering the pit area. (See Kartrol EXE Manual for installation instructions).

**Consists of parts #1-60-9003 (controller) and #1-60-9014 (transformer).**  
 See page 2 for installation instructions.

③

Kartrol EXE Go-Kart Control Sensor/Receiver  
 Located on each go-kart

**Consists of part #1-60-9007 (sensor) and optional #1-60-9000 (receiver)**



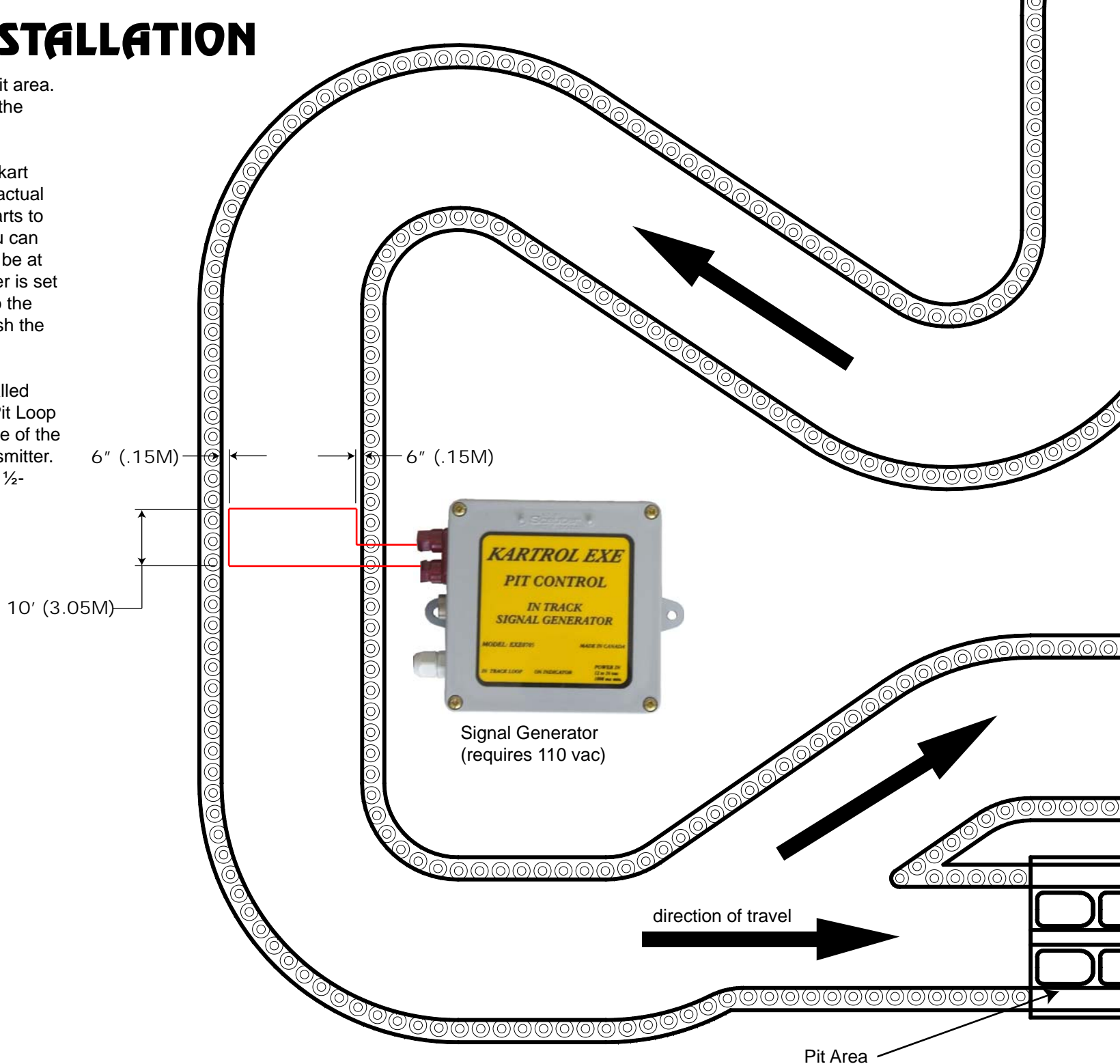
# KARTROL EXE - PIT LOOP INSTALLATION

The Pit Loop is intended to slow karts to a safe speed before entering the pit area. It requires the Optional pit loop sensor installed on each kart, connected to the kart transponder.

The Pit Loop Transmitter generates a coded signal that is picked up by the kart sensor when it drives across the Pit Loop wire embedded in the track. The actual location of the Pit Loop wire, is the point on the track where you want the karts to begin slowing. By using duct tape to hold the Pit Loop wire on the track, you can experiment to find the correct location for the pit wire, such that the kart will be at the desired speed as it enters the pit area. Generally the Pit Loop transmitter is set to the SLOW speed, so as to allow karts to propel themselves all the way to the front of the Pit area. Once all karts are in the Pit area, the attendant can push the STOP button to make loading safer.

Once the ideal location of the Pit Loop wire is determined, it should be installed in a saw cut in the track surface and sealed with a sealer or caulking. The Pit Loop wire runs from the Pit Loop transmitter, across the track, along the other side of the track for 10 feet, and then back across the track to reconnect to the pit transmitter. It is recommended that the wire be cut into a saw cut of approximately 1/4 to 1/2-inch deep. It is best if the wire is run approximately 6 inches out from the guardrail on the far side of the track (see diagram).

The Pit Loop transmitter should be mounted on a short post in a waterproof enclosure.



# KARTROL EXE - CONSOLE INSTALLATION

The Main Console is intended to be used at a track attendant station. It requires a 110V outlet to power the AC adaptor to the console. It should be positioned where the attendant has good track visibility of all areas.

The optional remote switch boxes connect to the main console. Any number of remote switch boxers can be connected. They can be mounted at additional track attendant stations or at critical areas of the track, making it easy to safely operate the track from many positions. The remote switch boxes allow the operator to address the STOP, SLOW, MEDIUM and GO functions as well as turn on and off the Pit Loop Transmitter. These boxes should be mounted securely in a dry safe location such as on a light pole. It is low voltage in the wires so while it must be protected from damage, it is not a voltage hazard.

**The Main Console is weather-resistant but NOT waterproof.. It should be protected from rain. Direct sunlight may reduce the life of the Mylar covering. Optional enclosure (#CC-KARTROL-EXE) helps protect expensive electronic equipment.**

