

# Traffic Light Control Console Operation Manual





# **Button Description & Operation**

## **Exterior**

**Power Switch:** turns main power on or off.

## **Traffic Light Buttons**

**Red Button:** ends ride cycle and activates red traffic lights.

**Yellow Button:** activates the yellow traffic lights signaling a full track Caution ( Note: ride timer still active)

**Green Button:** activates ride time cycle and turns green traffic lights on.

## **Shut Down Buttons**

**Green Button:** activates all karts go cycle.

**Blue Button:** activates all karts medium speed cycle.

**Yellow Button:** activates all karts slow speed cycle.

**Red Button:** activates all karts stop cycle.

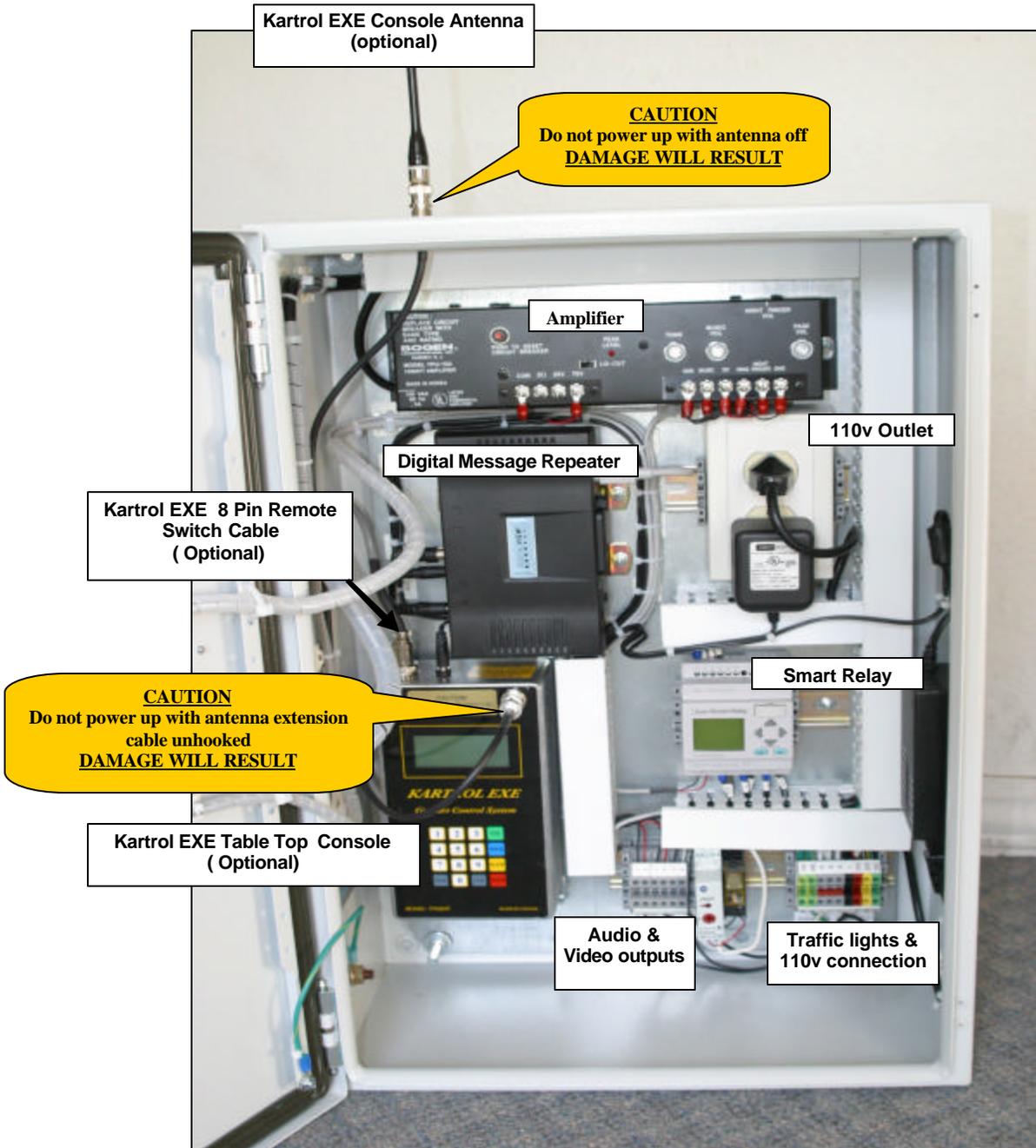
**Pit on/off switch:** activates pit loop in wireless mode. Push switch on to activate pit loop. Push switch off to deactivate pit loop. ( **If traffic lights are used to activate or deactivate pit loop, switch will have no function** )

## **Message & Microphone**

**Message Switch:** to play message once, push switch down. To play message continuously, push switch up and leave on.

**Microphone:** this allows operator to page thru overhead speakers. (Hold microphone about six inches from mouth when speaking.)

# Interior



# Control Panel Wiring Connections

## **Panel Power:**

Connect 120 VAC Hot wire to terminal "L"

Connect neutral wire to terminal "N"

Connect ground wire to terminal "GND" (Green and yellow terminal color)

*(Note: The "H" black terminal is not used)*

## **Traffic Signal:**

Connect all lights neutral wires to terminal "N"

Connect ground wires to terminal "GND" (Green and yellow terminal color)

Connect red light hot wire to terminal "204" (Red terminal color)

Connect yellow light hot wire to terminal "203" (Yellow terminal color)

Connect green light hot wire to terminal "202" (Green terminal color)

## **Speaker:**

Speaker output is for 70 Volt speaker only. Most commercial speakers are multi-tap type.

Connect the speaker common wire to the "-" speaker terminal.

Connect the speaker 70Volt wire to the "+" speaker terminal.

## **Video:**

Video style cable must be used for this purpose.

Connect the wire to the "+" video terminal.

Connect the outside shield wire to the "-" video terminal.

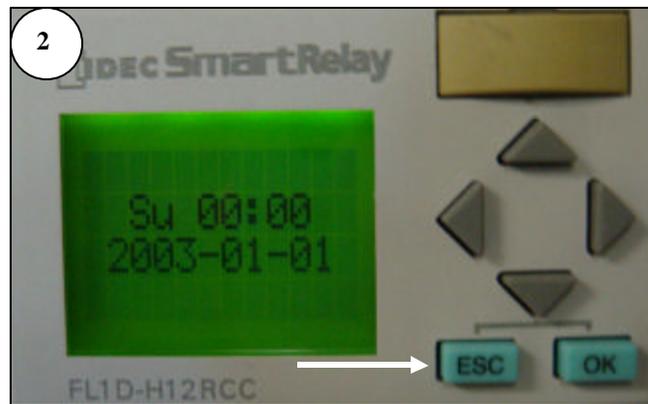
## **Audio:**

Audio out is a millivolt type output and is for feeding into customer audio equipment.

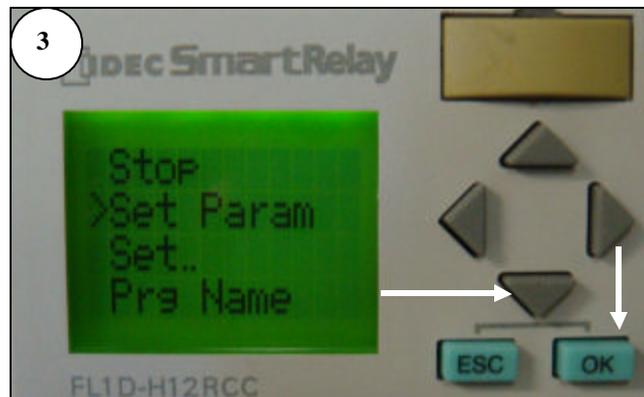
# PROGRAMING SMART RELAY



Press arrow **down** key.

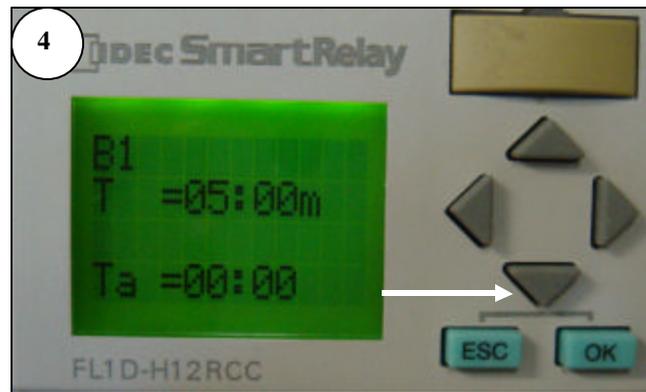


Display will flash  
Press **"ESC"**



Arrow **down** to  
**"SET PARAM"**  
Press **"OK"**

## PROGRAMING SMART RELAY



### “B1”

Ride time.

“T” can be set at minutes & seconds

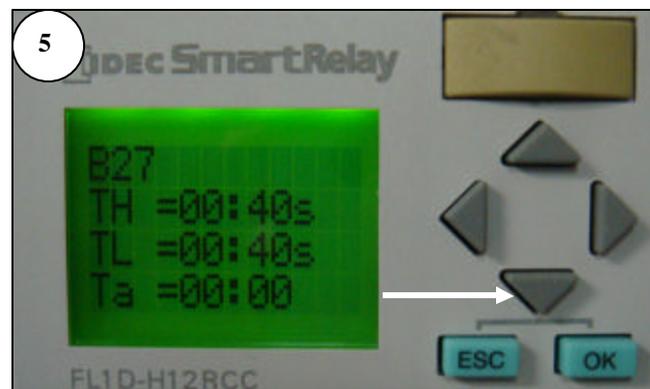
00: = minutes & :00m = seconds.

Image shown here is set at 5 minutes.

“Ta” is not used.

Press **down** key for next setting.

\* To adjust settings see page 5



### “B27”

Yellow light flash time after end of ride, before red light comes on.

“TH” = light on.

“TL” = light off.

“Ta” is not used.

00: = seconds & :00s = tenth of a second.

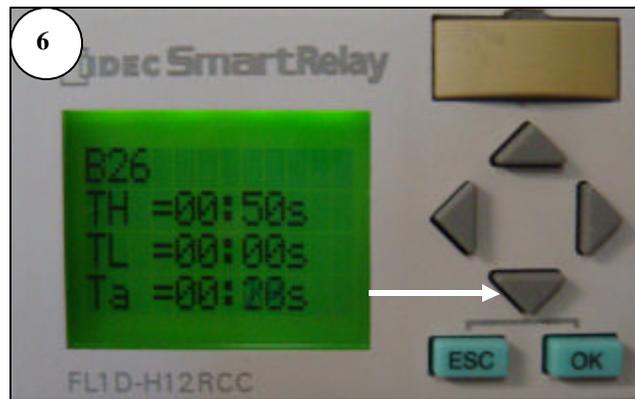
Image shown is set at 4 tenths of a second. “TH” & “TL” are set the same.

The yellow light will flash equally between off and on.

Press **down** key for next setting.

\* To adjust settings see page 5

## PROGRAMING SMART RELAY



### “B26”

Red light.

“TH” = light on.

“TL” = light off.

“Ta” is not used.

00: = seconds & :00s = tenth of a second.

Image shows “TH” set at 5 tenths of a second.

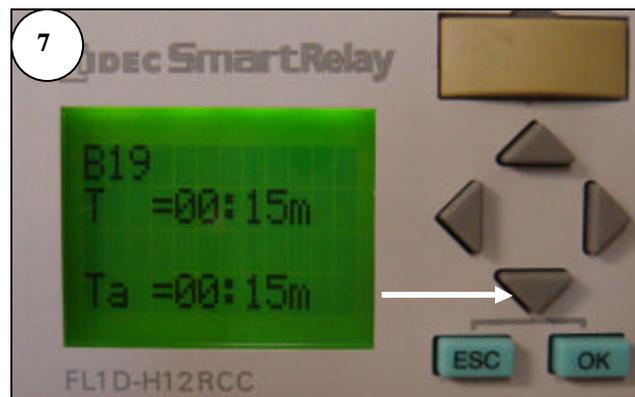
“TL” set at 0.

This is set for red light to stay on and not flash.

For red light to flash set “TH” and “TL” at equal tenths of a second.

Press **down** key for next setting.

\* To adjust settings see page 5



### “B19”

Length of time yellow light stays on.

“T” can be set at minutes & seconds

00: = minutes & :00m = seconds.

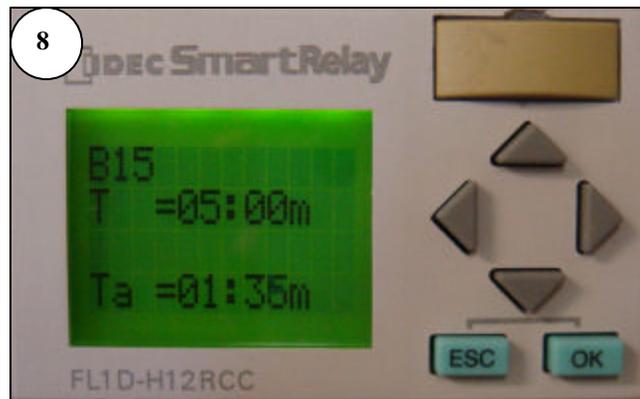
“Ta” can not be changed.

Image shows “T” set at 15 seconds.

Press **down** key for next setting.

\* To adjust settings see page 5

## PROGRAMING SMART RELAY



### “B15”

Time set until lights/ console shuts off. “Sleep Mode”

“T” can be set at minutes & seconds

00: = minutes & :00m = seconds.

Image shown here is set at 5 minutes.

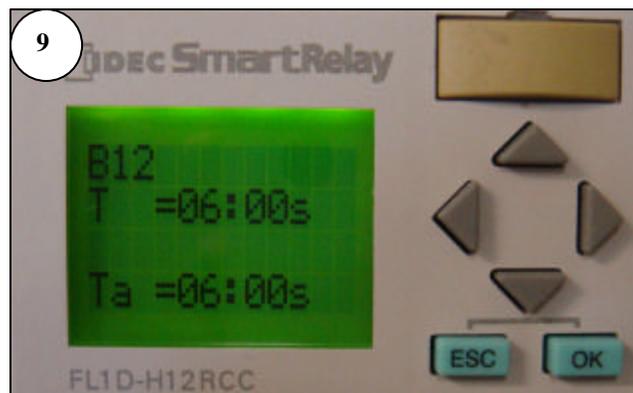
“Ta” can not be changed.

If console is idle and or inactive for period of time console will go into  
“Sleep Mode”

Traffic lights and door lights will turn off.

Press green button to wake/start ride.

\* To adjust settings see page 5



### “B12”

Attendant alert time.

The amount of time alert sound plays.

00: = seconds & :00s = tenth of a second.

Image shows “T” & “Ta” set at 6 seconds.

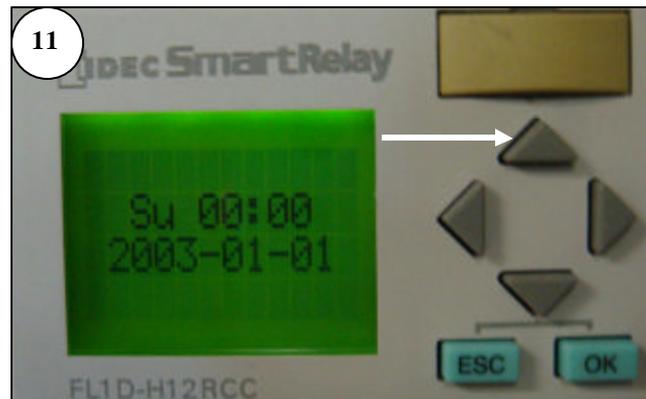
“T” & “Ta” need to be set at the same time.

\* To adjust settings see page 5

## PROGRAMING SMART RELAY



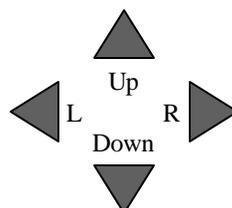
After settings have been changed  
 Press **"ESC"**  
 Display will return to settings screen.



Press **"ESC"** again and display will return to program screen.  
 Display will be flashing.  
 Press **up** key and smart relay will return to operation mode.

### \*ADJUSTING TIMES IN SETTING MODE\*

To adjust times press **"OK"**.  
 First digit will flash.  
 Use **up** & **down** arrow key to adjust.  
 Press **right** arrow key to adjust next digit.  
 Press **"OK"** to save.  
 Press **down** arrow key for next setting.



If you are having problems or have any questions please call J&J Amusements 800-854-3140 or email: [Service@JJAmusements.com](mailto:Service@JJAmusements.com) for further assistance.