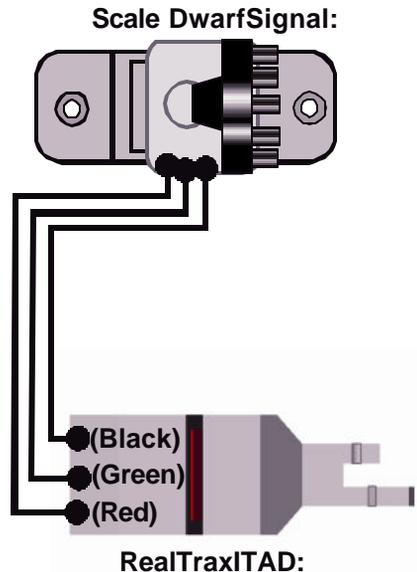


SCALE DWARF SIGNAL WIRING & OPERATING INSTRUCTIONS

Wiring Instructions:

- 1) Attach a RealTrax™ Infrared Track Activation Device (ITAD) to your layout in the Scale Dwarf Signal activating track block.
- 2) Connect the BLACK wire of the Scale Dwarf Signal to the COMMON terminal of the ITAD.
- 3) Connect the RED wire of the Scale Dwarf Signal to the Normally Open (NO) terminal of the ITAD.
- 4) Connect the GREEN wire of the Scale Dwarf Signal to the Normally Closed (NC) terminal of the ITAD.



Note: If not using an ITAD for accessory activation, a Lock-On and a mechanical ITAD will be

Operating Instructions:

The RailKing® Scale Dwarf Signal will show a vertical GREEN pattern when the track block is clear.

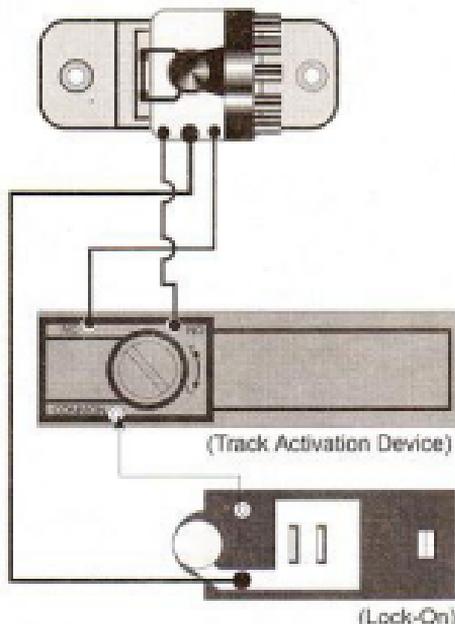
This signal pattern will change to horizontal RED when the ITAD is activated.

When the ITAD is reset, the pattern will change to diagonal YELLOW for approximately ten seconds. Then it will restore to the original vertical GREEN pattern again.

SCALE BLOCK SIGNAL WIRING & OPERATING INSTRUCTIONS

Wiring Instructions:

- 1) Attach a Lock-On and a Track Activation Device (TAD) to your layout near the location of the Scale Block Signal.
- 2) Connect the Ground Terminal (Outside Rail) of the Lock-On to the BLACK wire of the Scale Block Signal.
- 3) Connect the RED wire of the Scale Block Signal to the Normally Open (NO) terminal of the TAD.
- 4) Connect the GREEN wire of the Scale Block Signal to the Normally Closed (NC) terminal of the TAD.
- 5) Connect the Powered Terminal (Center Rail) of the Lock-On to the Common Terminal of the TAD.



Operating Instructions:

The RailKing® Scale Block Signal will show a vertical GREEN pattern when the line is clear.

The signal pattern will change to horizontal RED when the TAD is activated.

When the TAD is reset, the pattern will change to diagonal YELLOW for approximately ten seconds. Then it will restore to the original vertical GREEN pattern again.