RACE CONTROL SYSTEM

STEM RACING™

F1RS001000B

RACE CONTROL SYSTEM

ENQUIRE NOW

✓ Competition standard package

✓ Durable and easy to assemble

✓ Web Interface Control

Ideal for Regional and National Finals and for testing STEM Racing cars in preparation for events.

The Race Control System is a precision timing and control platform developed by Denford for use in student engineering competitions. It features start and finish gates with infrared sensors, digital display, and multiple race modes (including Reaction Time and Auto mode). Integrated with a 9" screen and Wi-Fi connectivity, it offers real-time results, team tracking, and accurate race timing - ideal for classroom use and official STEM Racing events.

A stand alone Race Control System is also available which can be used on the floor. This includes an additional Finish Sensor Gate and Cables to mount the Timing Sensors.

FEATURES

❯ The Race System

The Race System consists of everything you need to get racing. The package includes ergonomically designed and STEM Racing branded components, including web interface controls and infra-red finish line technology.

Option – **Ideal for testing cars on the floor when no track is available**

❯ **Floor Mounted Race Control System** **F1RS002000B** Comes complete with support brackets for Start/ Finish Gates, an additional Finish Sensor Gate, Cables and tether line mounting system.

Technical Information

The Start Boxes:

❯ Hardened silver steel firing pin for extended life

❯ Torsion spring and steel latch under pressure for consistent release

❯ Fully guarded

❯ Latch release lever

❯ Substantial base to reduce recoil

❯ Powerful release solenoid

The Race System:

❯ Live results

❯ Wi-Fi data transmission

❯ High resolution 9" screen (1280x800) with antiglare

❯ Multiple modes - Auto, Manual and Reaction Time

❯ Shade for Start and Finish lights

❯ Multi voltage power supply

❯ Team name input

❯ Power and sensor blockage indicators

❯ Frequency encoded infra-red finish line technology, with emitters and receiver

❯ Cable management

Race Upgrades

Enhance your race experience:

❯ 2 x Sector Gate Timing Systems available:
- Race Control **F1RS003000**
- Race Control - Floor **F1RS004000**
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❯ Event Race Triggers **F1RS/0450RTS** (set of 2)

❯ Flight Case (pg. 31) **F1RSFC** Race Control System

❯ Flight Case (pg. 31) **F1RSFC-SG** Race Control System and Sector Gate

POWERED BY
DENFORD®

Tel: +44 (0)1484 728000
Denford Limited, Armytage Road, Brighouse, West Yorkshire, HD6 1QF, England

denford.co.uk

STEM RACING™

stemracing.com

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