

## 12b Authorised Sign Specification

13.12.16

- Size 2230 x 1810 mm
- Display luminance level automatic
- LED pitch 20mm
- Housing material aluminium, seawater resistant
- Housing rating IP 56
- Lighting Protection Unit (LPU)
- Ambient temperature range -40 - +50
- Sign setting PC / laptop based software with internet connection
- Sign display capable of setting signs individually or as a group
- Cable remote control
- Power source mains, 230 AC, 12V / 24V DC
- EN12966, CE approved

### ROTTMS KEY FEATURES

- Wickets up to 5 lanes with relevant variants (1 mile, 800 yards, 600 yards, 400 yards or 200 yards)
- All displays as per the DfT Signs Authorisation
- LED display are dependent upon 12b or 9 (5) sign specification
- LED display colour red and white
- LED border size for effective contrast ratio and legibility: 150mm (framed) as per the DfT approval
- Sign lifting eyes equipped as standard
- Display sequence displays automatically the corresponding distance for TSRGD diagram 572 or 7202.1
- A standard Highways England programmable ECP mounted on the post for location i.e. 1 mile
- Security software prevents conflicting aspects being displayed in the same group of signs
- Capable of sending and receiving control messages
- Capable of sending and receiving status replies
- Automatic fault reporting
- Automatic logging of data (user, time, display messages, etc.)
- UTMC compliant
- Optional on board battery backup up to 2 hours dependent upon aspect
- Crash safe inertia switch
- Equipped with bulkhead mounted mains inlet and comms connector
- Sign status indicators 3 LEDs:
  - Green = Power
  - Red = Battery
  - Amber = Comms
- Approvals – EN12966, CE approved, Highways Agency type approved, TOPAS approved, TR2603 compliant, signs authorisation by DfT, code of connection in accordance with MCH1514, EMC as per BS EN 50293