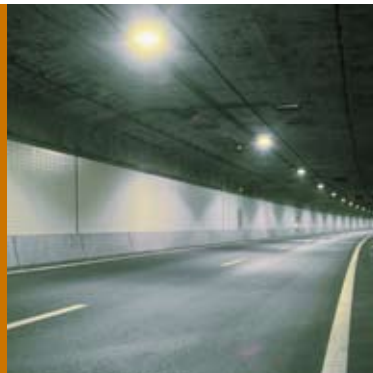


B-Scout Master

IP 54



Part of the lighting control and monitoring system, the B-ScoutMaster forms the centralised command centre for the entire tunnel lighting installation. Refined and developed over many years, the B-ScoutMaster provides the most extensive yet user friendly digital tunnel control available today, and can be supplied with a fully redundant stand-by unit. With its in-house designed and developed software and formed in an attractive yet functional enclosure, the B-ScoutMaster is tailored specifically for tunnel applications and offers the most versatile and dynamic arrangement available. Coupled to the extensive list of projects where the system has been successfully employed, the B-Scout System is considered by many to be the industry standard for modern tunnel lighting control.

CHARACTERISTICS



1. **Power consumption** nominally < 200W (plus the auxiliary output supplies).
2. **Graphical User Interface** 17 inch high resolution touch screen.
3. **Keyboard** industrial stainless steel IP 67 sealed unit with trackball mouse.
4. **Ambient temperature** +45°C max.
5. **Mounting** via GNo, wall brackets (supplied).
6. **Cable connection** via removeable gland plate with 20mm & 25mm knockouts.
7. **Connections** via labelled termination panel.
8. **Operator access** via front lockable glass door (anti-tamper locks).
9. **Engineer access** via internal lockable door (key lock).
10. **Control** up to 4,000 B-Scout controllers.
11. **Weight** 76 kg. approx.

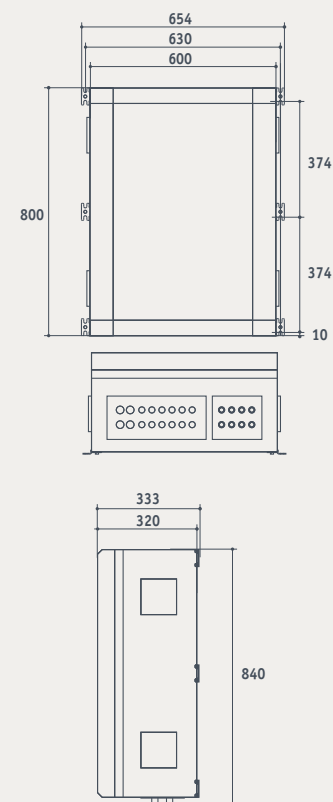


Termination panel.

Terminations

1. **Supply** live neutral and earth connections, internal fuse and DP switch.
2. **Auxiliary supplies** 10 No. L, N & E terminals fused @ 5A.
3. **Inputs** 6 No. for external 230VAC triggers.
4. **Outputs** 10 No. 1A fused 230VAC, 1 No. 1A fused VFC.
5. **Photometer** 2 No. 4-20mA current loop.
6. **Communications** ethernet, RS-232, RS-485, PSTN.
7. **Control Network** 4 No. RS-485 outputs & inputs (full redundancy).

Dimensions



FEATURES

Significantly reduced installation and infrastructure costs	Provides auxiliary power & 4-20mA connection for photometers
Considerable energy savings	Internal components mainly plug-and-play for fast replacement
Reduced service lifetime costs	Bespoke software alterations prepared in-house
Operates with a wide variety of tunnel lighting applications	Available with matching UPS unit
User friendly controls via 17 inch H/R touch screen	Full SCADA interfacing prepared in-house
Variety of input and output options	MasterLink™ remote control software available
Industrial grade computer	Full technical support available direct from system designers
Connects directly to RS-485 bus networks	Commissioning by i-Tunnel field engineering team
Can control up to 4,000 B-Scout controllers over 4.8km	Complete system including luminaires, B-Scout controllers, B-ScoutMaster, software etc. (system integration guaranteed)
Provides cascade switching reducing inrush currents	
Lamp fail compensation and lamp life equalisation	
Fully redundant stand-by unit available	

MODELS

IT-B-SCOUTMASTER -V4
IT-MASTERLINK (optional)

DESCRIPTION

B-ScoutMaster RS-485 wall-mount control & monitoring unit
Remote access and automatic management software