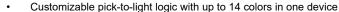


PTL110S Pick-to-Light

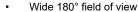
Datasheet

Networked Pick-to-Light Devices

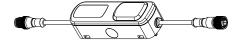
This datasheet contains limited information on the PTL110S Pick-to-Light device. For complete information on configuration, performance, troubleshooting, dimensions, and accessories, please refer to the Pick-to-Light System Instruction Manual. Go to www.bannerengineering.com and search 206185 to view the Instruction Manual or 209995 to view the Device Register Map. Use of this document assumes familiarity with pertinent industry standards and practices.



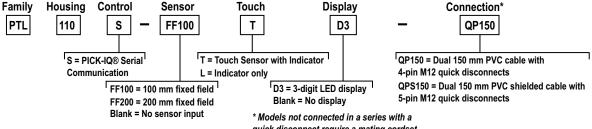
- Translucent face appears gray when off to avoid false indication
- M12 connector models for plug and play indication



- 3-digit, 14-segment LED display
- Photoelectric and touch sensing options
- RS-485 Modbus communication featuring PICK-IQ® technology for faster response speed



Models



quick disconnect require a mating cordset

PTL110S Wiring

| Wiring for the QP Models | | | | | | | |
|--------------------------|------------------|-----|------------|--------------------|--|--|--|
| 4-pin M12 Male | 4-pin M12 Female | Pin | Wire Color | Connection | | | |
| 2 1 | 1 000 3 | 1 | brown | 10 V DC to 30 V DC | | | |
| | | 3 | blue | DC common | | | |
| | | 4 | black | RS-485 (-) | | | |
| | | 2 | white | RS-485 (+) | | | |

| Wiring for the QPS Models | | | | | | |
|---------------------------|------------------|-----|------------|--------------------|--|--|
| 5-pin M12 Male | 5-pin M12 Female | Pin | Wire Color | Connection | | |
| 2 4 5 | 1 000 3 4 5 | 1 | brown | 10 V DC to 30 V DC | | |
| | | 3 | blue | DC common | | |
| | | 4 | black | RS-485 (-) | | |
| | | 2 | white | RS-485 (+) | | |
| | | 5 | gray | Shield | | |

PTL110S PICK-TO-LIGHT BANNER ENGINEERING CORP.

Specifications

Supply and Voltage Current

10 V DC to 30 V DC, UL Listed class 2 power supply 1.35 Watts maximum power draw

Maximum Current

135 mA at 10 V DC 50 mA at 24 V DC 45 mA at 30 V DC

Current measurements assume indicator is on at high intensity, display is on, and sensor module is active. Typical device current will be dependent on its configuration. See the Instruction Manual for more information.

Construction

Housing: ABS Indicator: Polycarbonate Lens: Acrylic

Optical Sensor Emitter LED

Infrared 870 nm

Connections

Integral PVC cable with a quick-disconnect connector, length varies depending on model

Environmental Rating

IP54

Operating Conditions

-40 °C to +50 °C (-40 °F to +122 °F)

90% at +50 °C maximum relative humidity (non-condensing)

Required Overcurrent Protection

WARNING: Electrical connections must be made by qualified personnel in accordance with local and national electrical codes and regulations.

Overcurrent protection is required to be provided by end product application per the supplied table.

Overcurrent protection may be provided with external fusing or via Current Limiting, Class 2 Power Supply.

Supply wiring leads < 24 AWG shall not be spliced.

For additional product support, go to .

| Supply Wiring (AWG) | Required Overcurrent Protection (A) | Supply Wiring (AWG) | Required Overcurrent Protection (A) |
|---------------------|-------------------------------------|---------------------|-------------------------------------|
| 20 | 5.0 | 26 | 1.0 |
| 22 | 3.0 | 28 | 0.8 |
| 24 | 1.0 | 30 | 0.5 |

Certifications



BELĞIUM





Turck Banner LTD Blenheim House, Blenheim Court, Wickford, Essex SS11 8YT, Great Britain



FCC Part 15 Class B

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

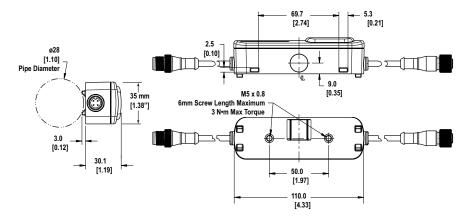
Industry Canada

This device complies with CAN ICES-3 (B)/NMB-3(B). Operation is subject to the following two conditions: 1) This device may not cause harmful interference; and 2) This device must accept any interference received, including interference that may cause undesired operation.

Cet appareil est conforme à la norme NMB-3(B). Le fonctionnement est soumis aux deux conditions suivantes : (1) ce dispositif ne peut pas occasionner d'interférences, et (2) il doit tolérer toute interférence, y compris celles susceptibles de provoquer un fonctionnement non souhaité du dispositif.

Banner Engineering Corp PTL110S Pick-to-Light

Dimensions



Banner Engineering Corp. Limited Warranty

Banner Engineering Corp. warrants its products to be free from defects in material and workmanship for one year following the date of shipment. Banner Engineering Corp. will repair or replace, free of charge, any product of its manufacture which, at the time it is returned to the factory, is found to have been defective during the warranty period. This warranty does not cover damage or liability for misuse, abuse, or the improper application or installation of the Banner product.

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Document title: PTL110S Pick-to-Light

Part number: 206183

Revision: D

Original Instructions

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