

PTL110 Series



Scalable, Versatile Pick-to-Light Solution

- Optimize application performance with options including optical sensor, touch button and display
- Reduce system costs with simple mounting and direct device connection
- Achieve fast picking speeds in large scale systems with PICK-IQ™ serial communication

Improve Productivity and Quality in Picking, Kitting and Related Applications

Bright indicator provides guidance and sensors confirm actions.

Built-in holes for easy mounting using zip ties



Mounting options are available for fast installation and part moves



PICK-IQ™
Ensures a fast response speed to exceed productivity targets



M12 connectors for fast daisy chain connection

Expand or modify your system quickly and easily

All models can be used as the first, middle or last unit to simplify ordering and stocking



Three-digit display

14 segments per digit for more flexibility to indicate part count or provide other instructions

Touch button provides a reliable pick interface



Customizable indication with up to 14 colors gives maximal visual clarity



Built-in optical sensor for direct pick detection



Define primary and secondary sensor functions to expand capabilities of a single device

Monitor and Control

PTL devices are controlled by a serial master



DXM700 Controller

- Use as master device for protocol conversion and system initialization
- Collect performance metrics for analysis and system optimization
- Choose an embedded radio model for wireless installations



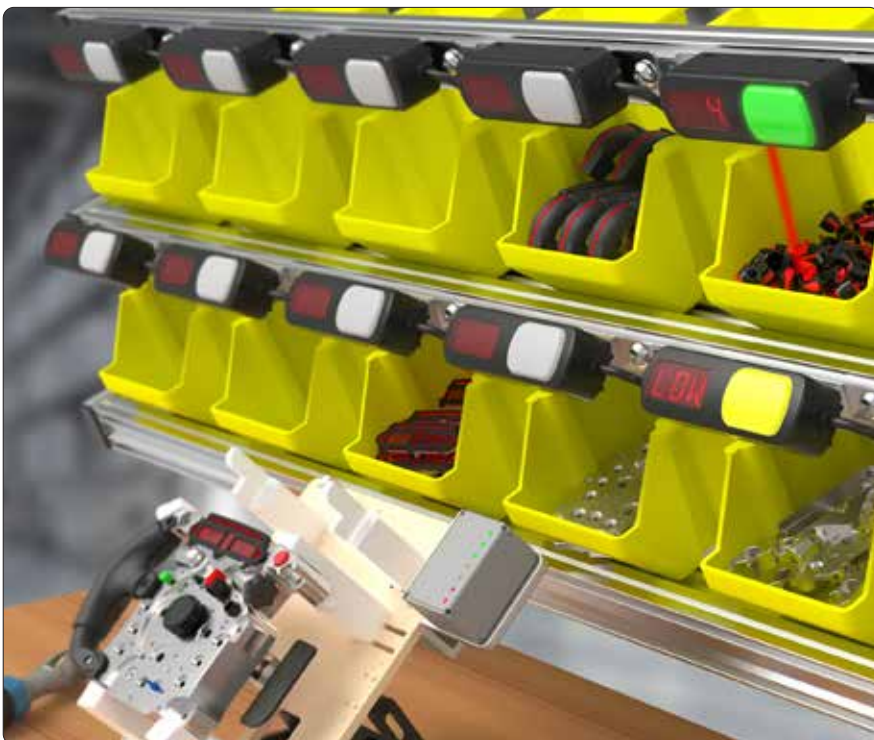
Kitting Station

Challenge

- Assure accuracy and increase speed at kitting stations yet keep the system simple enough for one operator to perform multiple tasks
- Kitting areas have numerous parts to satisfy material demand for multiple models, and need flexibility for modification and expansion

Solution

- A single operator can use the multicolor indicator, clear three-digit display, and sensor or touch button to fulfill kits for multiple assemblies. The versatile PTL system can be configured for almost any type of kitting application large or small.
- High speed PICK-IQ™ communication allows for large, scalable kitting stations that guide the operator to maintain a pace that exceeds productivity targets
- Simple electrical and mechanical installation options simplify the addition of extra pick points to the system



Multiproduct Assembly Station

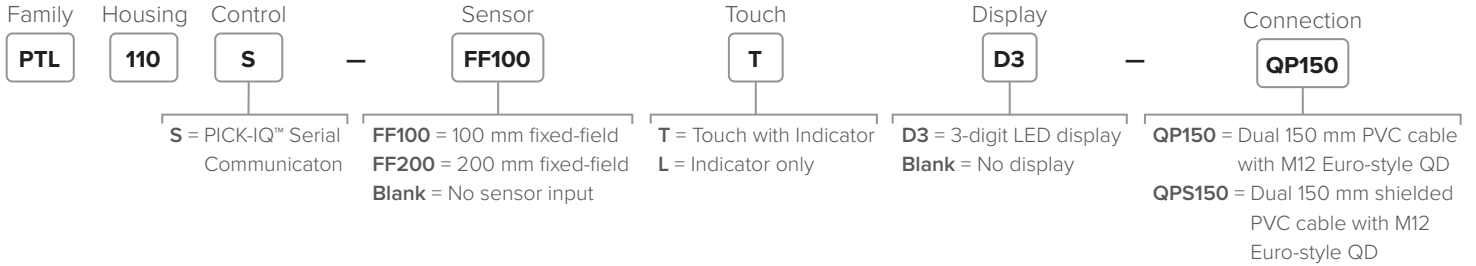
Challenge

- Eliminate errors and ensure quality when multiple parts are built at one station
- Increase throughput and simplify training and restocking processes

Solution

- Clear indication quickly identifies the correct component and quantity for each step and reduces assembly errors. Component count can be monitored remotely, simplifying restocking and avoiding downtime.
- The optical sensor detects a hand during normal work motion and PICK-IQ™ communication provides fast response time to quickly indicate the next bin
- Color-based assembly makes training fast and easy. Simple connectivity and brackets allow PTL devices to be moved without reprogramming or tools.

PTL110 Series



Specifications



Supply Voltage	10 to 30 V DC; 1.35 Watts max. power draw
Communication	PICK-IQ™ is compatible with Modbus RS-485 DXM700 converts Modbus RTU to Modbus TCP/IP or Ethernet/IP
Connected Devices	64 or more under standard usage with a single power supply >200 possible depending on power supply, cable length and device usage
Construction	Housing: ABS Indicator: Polycarbonate Display Lens: Acrylic (if present)
Environmental Rating	IP54
Operating Temperature	-40 to +50 °C 90% at +50 °C maximum relative humidity (non-condensing)
Certifications	CE

Accessories



LMBPTL110C

For 28 mm tubular racking

4-Pin M12
Straight connector models listed; for right-angle models, add RA to the end of model number (example, MQDC-406RA)



MQDC-406
2 m (6.5')
MQDC-415
5 m (15')
MQDC-430
9 m (30')



4-Pin Double-Ended
Male straight connector to female straight connector

MQDEC-401SS
0.3 m (1')
MQDEC-403SS
0.91 m (3')
MQDEC-406SS
2 m (6.5')
MQDEC-412SS
3.7 m (12')



LMBPTL110F

LMBPTL110A45

For slotted extrusion and flat rail mounting

5-Pin M12 Shielded
Straight connector models listed

MQDC-STP-506
2 m (6.5')
MQDC-STP-515
5 m (15')
MQDC-STP-530
9 m (30')

4-Pin Double-Ended
Male straight connector to male straight connector

MQDEC-STP-501SS-MM
0.3 m (1')

4-Pin Double-Ended
Female straight connector to female straight connector

MQDEC-STP-501SS-FF
0.3 m (1')



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