



Pick to Light

A paperless automated picking system using a range of coloured lights as well as unit displays to direct staff through your control system. These are installed against the flow rack or shelving beams at each lane demarcating a specific stock-keeping unit.

Efficiency is created by eliminating delayed operator manual routing and product selection. As opposed to other warehouse picking systems, pick to light allows for fast collection without a list.

Order fulfilment improvements achieving higher accuracy, lower error rate and higher throughput.



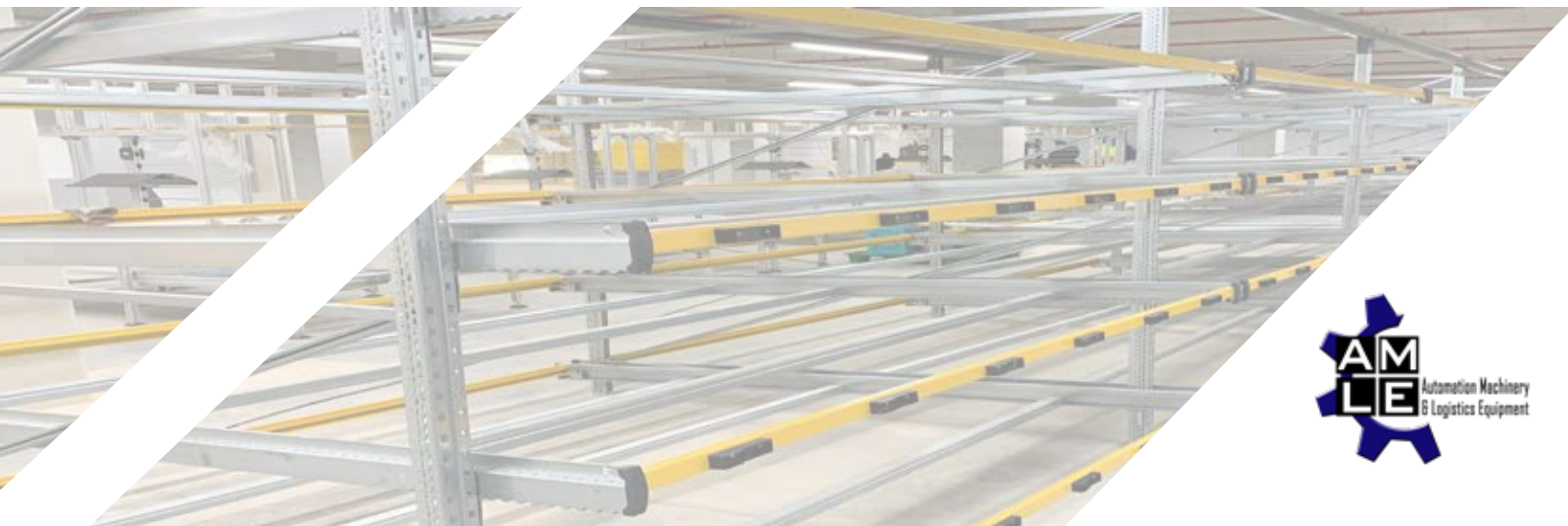
GENERAL SPECIFICATIONS

PTL Units

- DIP switch to select address, area and slave/repeater configuration
- Full range of RGB colours can be displayed
- Capacitive touch buttons (No mechanical wear)
- 100m range to Master controller
- Current consumption – 100mA (max), 20mA (typ) for single light unit and 240mA (max), 120mA (typ) for 7 segment display unit

Master Controller

- 2 areas per controller
- 96 PTL units can be addressed in each area (Each Master Controller can address 192 PTL units)
- 64 different areas can be operated in a system giving a maximum capacity of 6144 PTL units
- Multiple path networking and frequency hopping give communication robustness
- Encryption at both the network and application level offers message security
- 100m line of sight range from the controller to the last PTL module. Range can be extended by making PTL units repeaters
- Master controller can communicate to a PLC or PC using Ethernet with a Modbus/TCP protocol as standard, Industrial protocols such as Ethernet/IP can be added as an option
- System can be accessed through a cell phone or tablet using an Android™ app
- Optional LCD screen available as an installation and diagnostic tool (installation is normally done through commands sent from the PLC or PC)
- Simple addressing of PTL units (area 1 to 64, address 1 to 96, which are both set up by the DIP switch on the PTL unit)
- Versatile power supply requirement - 9v to 32v input, 200mA (typ) and 500mA (max)

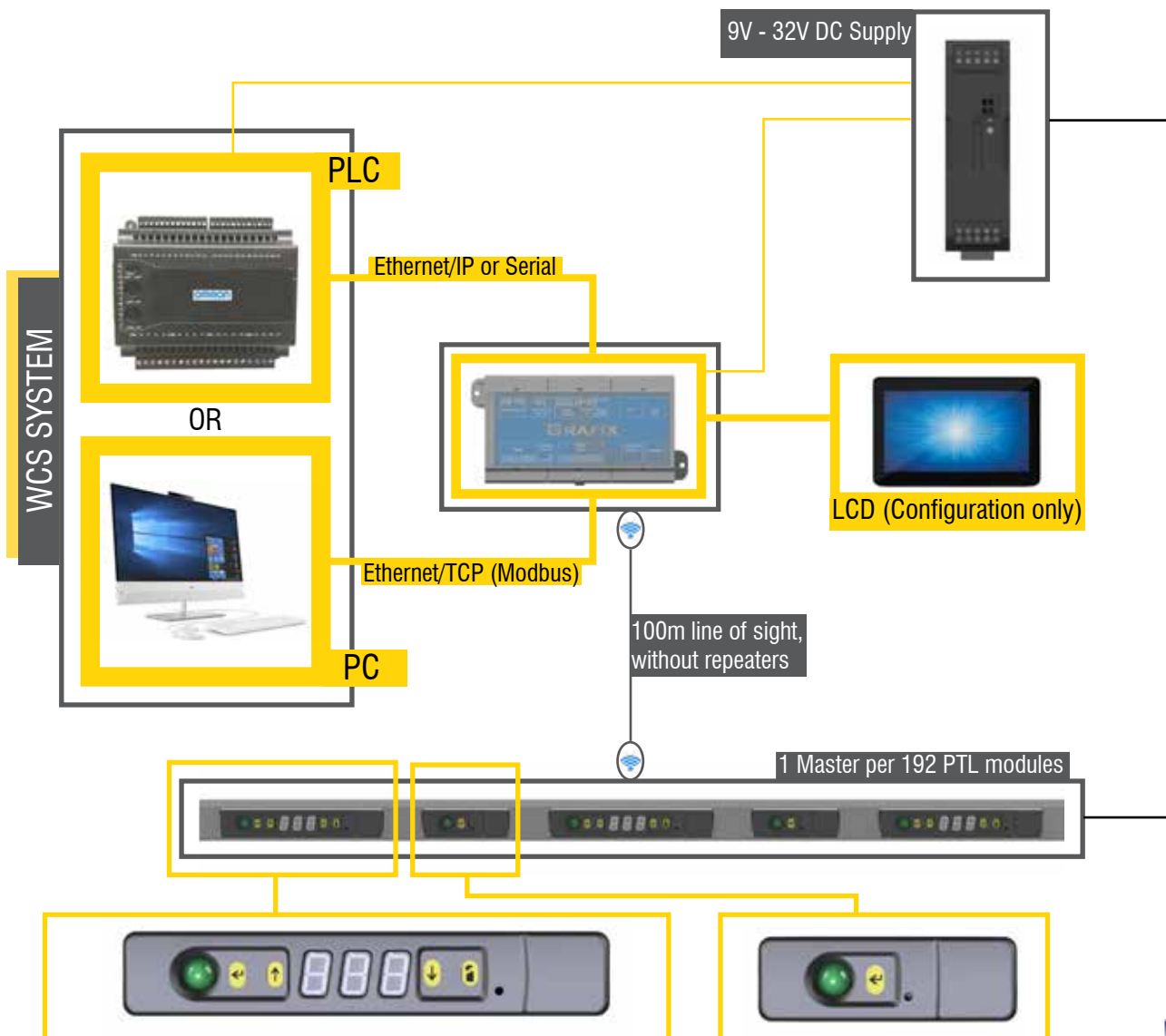


Application

- Full case picking from pallet flow
- Put to Light Systems
- Operator directed component picking for assembly lines
- Picking Trolley automation
- Stock control through inventory

Benefits

- Improved efficiency
- Reduces operator dependency
- Excellent Order Accuracy
- Paperless picking
- System driven processes increase order fulfillment speed
- Simple Integration
- Low change management
- Easy and safe operation
- Easy maintenance



Pick To Light

Model Number Legend

PTL - □ - □ □ - □ □ - □ □ - □ - □
1 - 2 - 3 4 - 5 6 - 7 8 - 9 - 10

Example: PTL-BT-A01-A01-A00-A-A

1. Basic Name

PTL

2. Comms Type

BT: Bluetooth

WR: Wired

3. Light Type

A: LED

4. Light Quantity

01: 1 Light

5. Button Type

A: Capacitive Touch

6. Button Quantity

01: 1 Button

04: 4 Buttons

7. Numerical Type

A: 7 Segment Display

8. Numerical Quantity

00: No Digits

03: 3 Digits

9. Supply Type

A: 9V - 32V DC

10. Address Configuration Method

A: Dip Switches

Master Controller

Model Number Legend

PTM - □ - □ - □ - □ □
1 - 2 - 3 - 4 - 5 6

Example: PTM-BT-EIP-M-0000

1. Basic Name

PTM

2. PTL Comms

BT: Bluetooth

WR: Wired

3. Optional Comms

EIP: Ethernet/IP

RS2: RS232

RS4: RS485

4. Protocol

M: Modbus

5. Digital Inputs

00: 0 Inputs

6. Digital Outputs

00: 0 Outputs

