TTC Control Box

Product Flow Controller (PFC)

The TTC Control Box, or PFC, is a device that controls the flow of the product on an assembly line. It is typically connected between two conveyorized modules (conveyor or machine) and provides the following functions:

- *Stops products from entering the next process step until all parameters have been validated*
- *Allows products to enter the next process step when authorized by the host*
- *Provides an electrical interface to connect barcode readers or RF antennas for the acquisition of product serial numbers*

PFC: Easily Control Production

- *Ensures 100% read rate of serialized products at each required scan point*
- *Ensures products follow all specified route steps, and in the correct sequence*
- *Disables production in the case of a process deviation or machine setup error*
- *Easily integrates and communicates with Microscan TTC software or third party software*

For more information on this product, visit ***www.microscan.com.***

Ethernet Connectivity
Connect to a host using serial or Ethernet connection. Ethernet TCP/IP and EtherNet/IP protocols are available out of the box.

SMEMA Interface
The PFC interrupts the SMEMA (Surface Mount Equipment Manufacturers Association) board transfer signal to physically control the product flow.

Double-Side Assembly
One or two fixed barcode readers can be connected to the PFC for top/bottom side barcode applications.

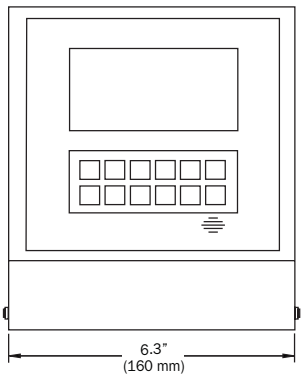
Informative Display
The PFC features an informative display to provide real time status and alarms.

Easy Assembly
Adjustable mounting bracket and through holes for mounting screws and included for quick and easy assembly.

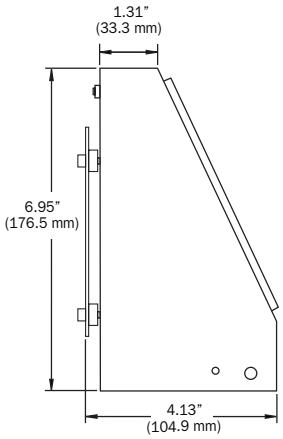
MICROSCAN®

TTC Control Box Specifications and Options

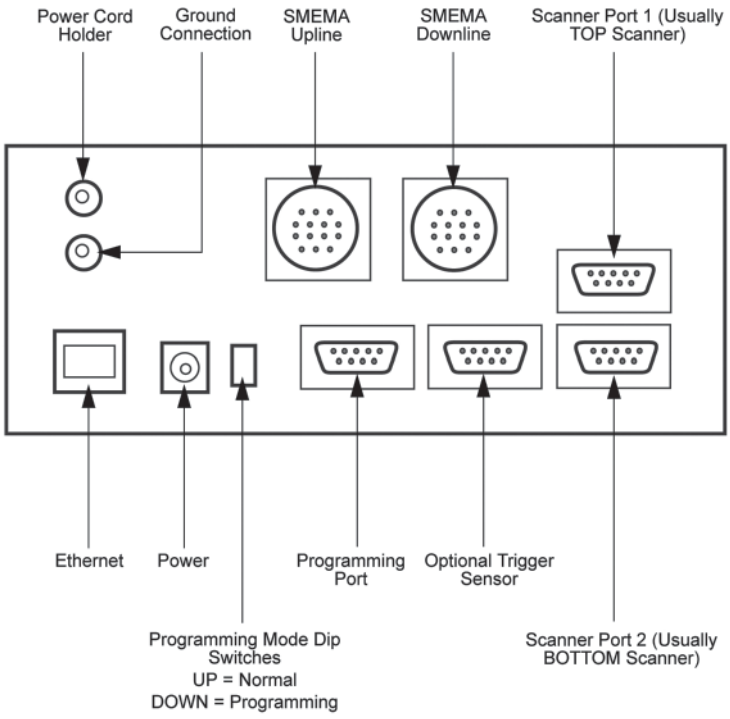
FRONT



SIDE



ELECTRICAL INTERFACE (BOTTOM)



MECHANICAL

Height: 7.3" (184 mm)
Width: 6.3" (160 mm)
Depth: 2.8" (71 mm)
Weight: 4.4 lbs (2 kg)

ENVIRONMENTAL

Humidity: 10% to 90%
Operating Temperature: 10° to 40° C (50° to 104° F)
Storage Temperature: -15° to 70° C (5° to 158° F)

ELECTRICAL

Power Requirement: 24 VDC, 1 A

INPUTS/OUTPUTS

Pin Assignment

1	Ground
2	24 Volts
3	Signal Input (0 volt = Signal Active)
4	5 Volts
5	Ground
6	Ground
7	Ground
8	Ground
9	Ground

EMMISIONS

Radiated and Conducted Emmisions:
EN 55022 Class A; CISPR 22 Class A

INDICATORS

Digital Display: 4x20 LCD
Other: Beeper via speaker outputs

COMMUNICATION PROTOCOLS

Interface: RS-232, Ethernet, SMEMA

CONNECTORS

Type: RJ-45, DB-9, DC Power Jack, SMEMA

OTHER ACCESSORIES

SMEMA cable, 5 m
Transformer desktop, 24 VDC 1 A

SAFETY CERTIFICATIONS DESIGNED FOR

FCC, UL/cUL, CE,

ROHS/WEEE COMPLIANT

ISO CERTIFICATION

Certified ISO 9001:2008 Quality Management System

Warranty–One year limited warranty on parts and labor. Free extended 3 year warranty upon online product registration.

MICROSCAN®

Microscan Systems Inc.
Tel 425 226 5700 / 800 251 7711
Fax 425 226 8250

Microscan Europe
Tel 31 172 423360 / Fax 31 172 423366

Microscan Asia Pacific
Tel 65 6846 1214 / Fax 65 6846 4641

www.microscan.com
Product Information: info@microscan.com
Auto ID Support: helpdesk@microscan.com
Vision Support: visionsupport@microscan.com
NERLITE Support: nerlitesupport@microscan.com