MS-Connect 210

MS-Connect 210: Easy Integration

- *For fast installation and easy maintenance of any Omron Microscan scanner or imager*
- *IP65 rated industrial design*
- *Better organization of cables and wiring on factory floor*
- *Protocol conversion allows connection via Ethernet*

Simple Connectivity Solution for:

Omron Microscan laser barcode scanners

Omron Microscan 2D barcode imagers

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

Connectivity Solution with Ethernet

The MS-Connect 210 simplifies connectivity of Omron Microscan readers in industrial applications. This factory floor ready wiring box features a vivid display, convenient access holes for easy wire routing, and multiple connectivity options including Ethernet protocols.

The MS-Connect 210 is the ideal Omron Microscan reader accessory for any users seeking an easy connectivity option.

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

Informative Display
Providing two lines of decoded information, the optional display is ultra-bright and easy to read.

I/O Indicators
The front panel on the MS-Connect 210 provides visual confirmation of performance. Multiple colors are used for easy recognition.

Relay Modules
The MS-Connect 210 includes slots for optional relay modules to allow for greater use of external devices including light stacks.

Practical Design
Four access holes located on the box allow users quick, easy, and clean wiring of inputs and outputs. Mounting is simplified with four accessible through-holes for mounting screws. An optional plate is available for easy DIN rail mounting.

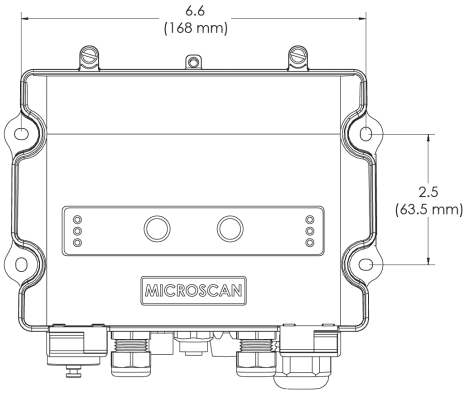
Clear Wiring Path
Wiring to the appropriate terminal block is easily accomplished, due to the access holes and a clear area located between the terminal rows.

Additional Power
The MS-Connect 210 includes the option to power three additional readers.

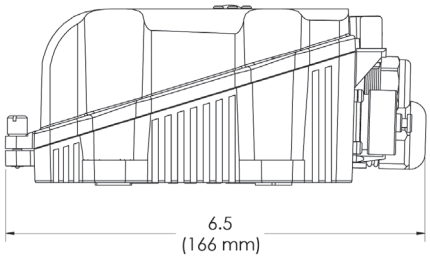
OMRON
MICROSCAN

MS–Connect 210 Specifications and Options

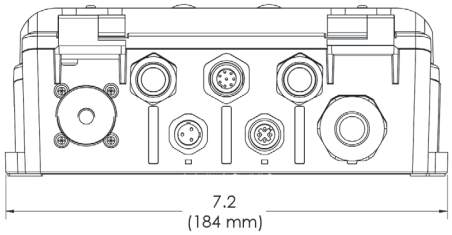
TOP



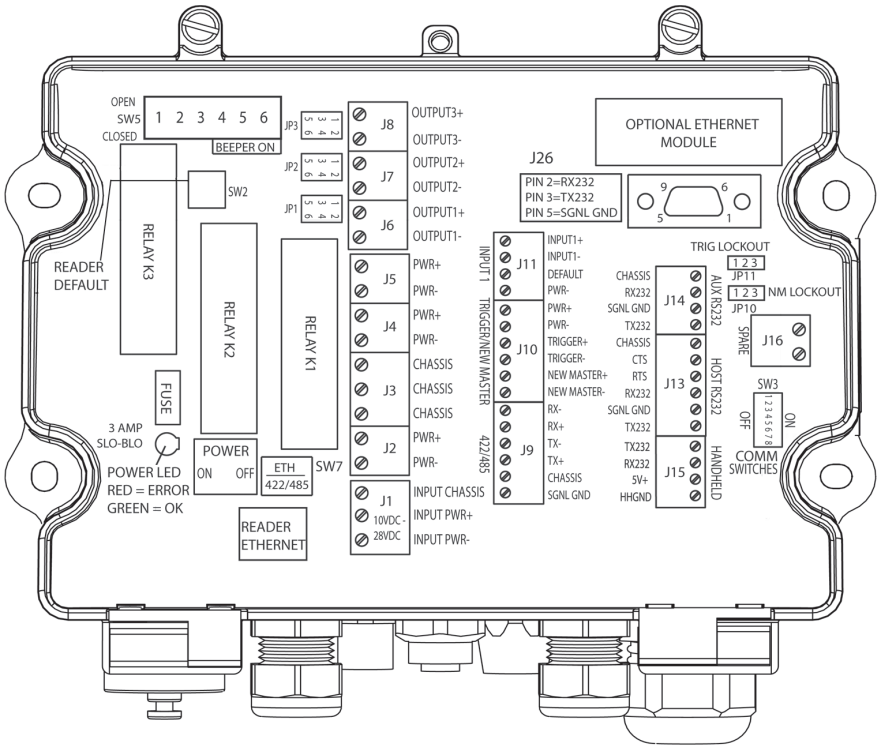
SIDE



BACK



MS-CONNECT 210 INTERNAL VIEW



MECHANICAL

Length: 7.3" (184 mm) **Width:** 6.3" (160 mm)
Height: 2.8" (71 mm) **Weight**: 1.6 lb. (726 g)

ENVIRONMENTAL

Enclosure: IP65
Humidity: up to 90% (non-condensing)
Operating Temperature: 0° to 50° C (32° to 122°F)
Storage Temperature: -30° to 70° C (-22° to 158°F)

ELECTRICAL

Power: 10-28 V

PLUGGABLE RELAY MODULE

K1	Pluggable Relay Module
K2	Pluggable Relay Module
K3	Pluggable Relay Module

INPUTS/OUTPUTS

J1	Input Power 10-28 VDC
J2	Output Power 10-28 VDC
J3	Chassis
J4	Output Power 10-28 VDC
J5	Output Power 10-28 VDC
J6	Output 1
J7	Output 2
J8	Output 3
J9	RS 422/485
J10	Trigger/New Master
J11	Input 1
J13	Host RS-232
J14	Aux RS 232
J15	MS-Q 5 VDC
J16	Spare

CE MARK

General Immunity for Heavy Industry:
EN 55024: 1998 ITE Immunity Standard
EN 61000-6-2-:2001

EMISSIONS

EN 55022:1998 Class A

INDICATORS

Digital Display: 2X20 Alphanumeric characters
Beeper: Configurable **LEDs:** I/O status, Serial

TERMINAL BLOCKS MAX RATING

J1-J8 Wire Range: 26 to 14 AWG.
Wire Strip Length: 11 mm
J9-J15 Wire Range: 22 to 18 AWG.
Wire Strip Length: 5 mm
J2-J5 Max Voltage: 28 VDC. **Max Current:** 4 Amps
J6-J8 Max Voltage: 240 VAC. **Max Current:** 3 Amps

COMMUNICATION PROTOCOLS

Standard Interface: RS-232, RS-422

ACCESS CGB

Small: Access diameter range 0.18" to 0.39" (4.5 to 10 mm)
Large: Access diameter range 0.2" to 0.5" (5 to 12.7 mm)

JUMPERS

JP1	Relay Output 1 Options
JP2	Relay Output 2 Options
JP3	Relay Output 3 Options
JP 11	Trigger Button Lockout
JP 10	New Master Button Lockout

SWITCHES

SW1	On/Off
SW2	Reader Default
SW3	Display Comm Switches
SW5	Reader Output Indicators
SW7	Reader Ethernet Option

CONNECTORS

Reader: M23 19-pin circular socket connector
Trigger: 4-pin MicroChange socket
Power: 3-pin MicroChange plug

OTHER ACCESSORIES

Type: DIN rail kit, Relay modules
Industrial Ethernet Connector: 8-pin M12 MicroChange socket

QMS CERTIFICATION

www.microscan.com/quality

Read Range and other performance data is determined using high quality Grade A symbols per ISO/IEC 15415 and ISO/IEC 15416 in a 25° C environment. For application-specific Read Range results, testing should be performed with symbols used in the actual application. Omron Microscan Applications Engineering is available to assist with evaluations. Results may vary depending on symbol quality. **Warranty–**For current warranty information on this product, please visit www.microscan.com/warranty.

OMRON
MICROSCAN

www.microscan.com