



MS-UNV-PNL2

2 Card MicroScan UNV Panel

NEMA 4 ENCLOSURE

Standard NEMA 4 enclosure with sturdy steel mounting plates for up to two MicroScan 5 UNV controllers.

EASY INSTALLATION

Requires connecting Input / Output (I/O) devices and communications to the appropriate points.

SURGE PROTECTION

Optional surge and over-voltage protection for AC power and communications are available.



- Convenient and Rugged Mechanical Design
- DIN Rail Based Power Connections
- Fused Primary Power Circuit
- Optional AC and Communication Surge Protection
- Optional NEMA Enclosures

The MicroScan UNV panels are supplied in a NEMA 4 enclosure as standard. Inside the panel, provisions are made for mounting of MicroScan UNV controllers. A sturdy steel mounting plate in the back of the enclosure provides space for up to 2 MicroScan UNV controllers. The controllers are mounted on pre-installed screws for ease of access. The back panel is pre-wired for supplying power to each of the supported controllers. All that is necessary to install the controllers is connecting Input/Output (I/O) devices and communications to the appropriate points. Strategically placed around each controller position is a wiring duct to accommodate field input and output cables. This insures a neat and professional installation of the equipment by concealing virtually all cables.

The UNV Panel assembly includes all primary power sources required for proper operation of the UNV controllers. The panel includes a main power switch and a power indicator lamp. A 24 VAC transformer is provided to supply power to the MicroScan UNV controllers. A total of 50 VA is available for each controller.

The standard MicroScan UNV Panel, when configured with controllers, may utilize either 100-BaseT Ethernet or RS-485 2 wire communications to connect to the network architecture. All RS-485 and Ethernet capability is located on the UNV controllers, not in the panel specifically.

Optional surge and over-voltage protection for AC power and communications can be ordered with the UNV panel. Protection for AC power consists of an external gas-tube device connected to the AC power circuit. Communications protection is provided via the use of a combination device incorporating gas-tube, metal oxide varistor (MOV), and current-limiting devices.



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TECHNICAL SPECIFICATIONS

Physical

Size: 24"H x 24"W x 8"D
Construction: NEMA 4 Standard.,
NEMA 1Optional
Capacity: 2 MicroScan UNV
Controllers (not incl.)
Weight: 75 lbs.
Color: ANSI 61 Grey Powder

Electrical

Input: 120 VAC + or - 10%, 60 Hz
Output: (Internal Power Source) 24
VAC @ 100VA

Environmental

Temperature: 0 to 50° C.
Humidity: 0 to 95% RH Non-
Condensing

Operation

Communications:
(from Controller) Ethernet or RS-
485 Standard, RS-232 optional with
adapter board

AC Surge Protection:
An optional unit includes protection
for signals as defined in IEEE-
C62.41.

Communications Protection:
Optional surge and over-voltage
protection for surges as defined in
REA PE-60d and over-voltage
protection for voltages of up to 480
VAC RMS at 60 Hz.

Features and Benefits



The MicroScan UNV panels are used in conjunction with the MicroScan UNV controller cards to provide the hardware interface between the InfoScan system and the field sensors and controls. The panel itself consists of a fully integrated enclosure, back panel, and power transformer assembly. The panel accommodates up to 2 MicroScan UNV controllers.

Ordering Information

- **Part No. MS-UNV-PNL2** — Includes NEMA 4 enclosure, mounting back plate, AC terminal blocks, 24 VAC power transformer at 100 vA, AC power distribution module with single outlet, fused output power, slots for up to 2 UNV Controllers, wiring duct, and pre-wired power harness.

OPTIONAL EQUIPMENT

Part No. Suffix	Options
-CS	2 Wire Comm. Surge Protector
-AC	AC Surge Protector
-N1	NEMA 1 Enclosure
-232	Adapter Card for RS232
-FM	Factory Mount Controllers (Panel/Controllers on same PO)

For Example- To order a UNV Panel with AC surge protection and NEMA 1 enclosure, the part number would be as follows:

MS-UNV-PNL2-AC-N1

For configuration assistance or for other possible options contact factory.

Note: These panels do not include controller cards or communications modems.

NEED ASSISTANCE ?

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