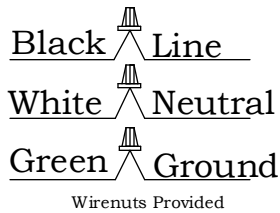


Sign Power Connections



Grounded pigtail located inside 2x4 box. Must connect when connecting power.

Sign Power to 2x4 Box (consult installation instructions for amperage requirement)

* Disconnect Switch

Power/Signal-In panel can be relocated to side, bottom or back of message centers for wall mounts or adjacent signs.

Important. Read before installation.

Power entrances are located on access panels with 2x4 box. The location of this panel may vary between different message centers. Access panels can be swapped to allow placement of incoming power/signal on the side, back or bottom of the message center typically. This sign is intended to be installed in accordance with the requirements of Article 600 of the National Electrical Code and/or other applicable local codes. This includes proper grounding and bonding of the sign. All personnel who work with electrical connections must be educated in the safe procedures for installing and repairing electrical connections before they are given the responsibility of performing such tasks. Conduit and fittings are supplied by installer.

Note: It is not necessary to remove message center display panels to make any of the above connections.

Raintight Box Applies to installations greater than 325 ft. (See Sheet 2)

25' Crossover Ethernet Signal to Power/Signal-In Access Panel.

Power to Raintight Box

Power from Branch Circuit

Fiber Optic Signal from Control Room

Feed panel through hole as shown to change location of access panels.

* National Electric code requires a disconnect switch within Sight of the sign or lockable within the building. If neither is available, install a disconnect at the sign.

Message Center
Wired Installation



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Drawing No. 275-0729

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Date 06/20/13

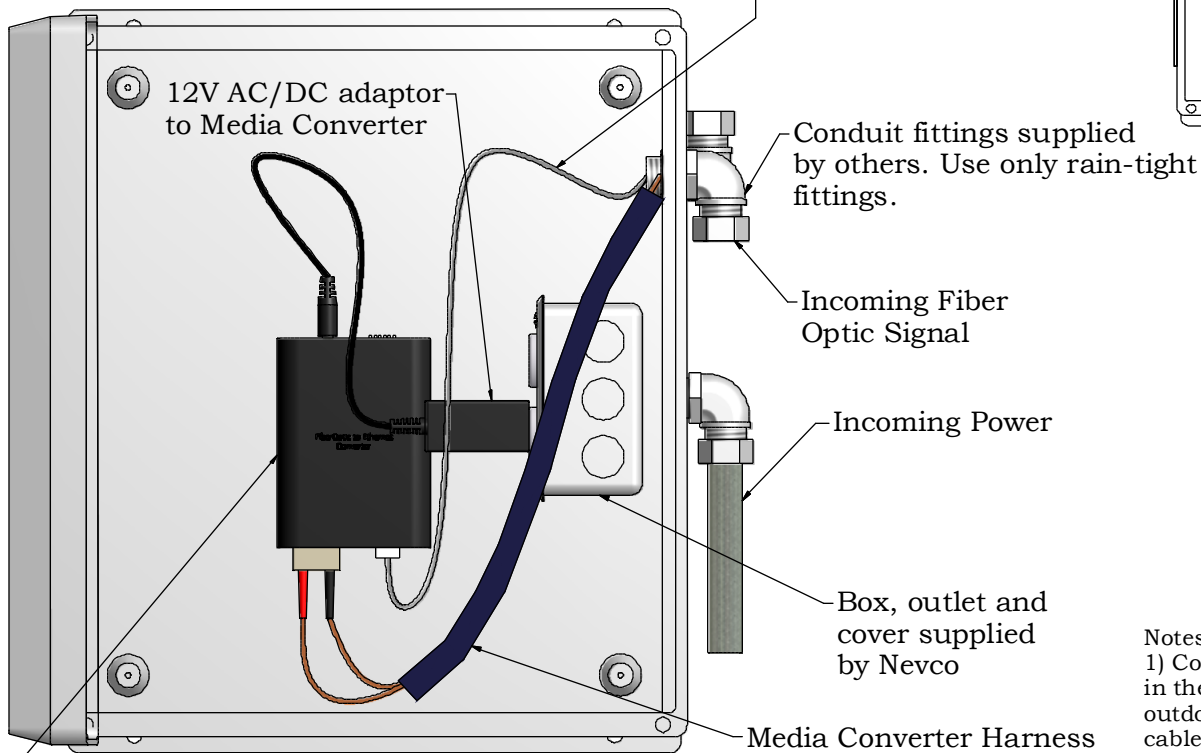
Sheet 1 of 4

NOTE: This Raintight box only applies to installations greater than 325 ft.

ETHERNET CABLE

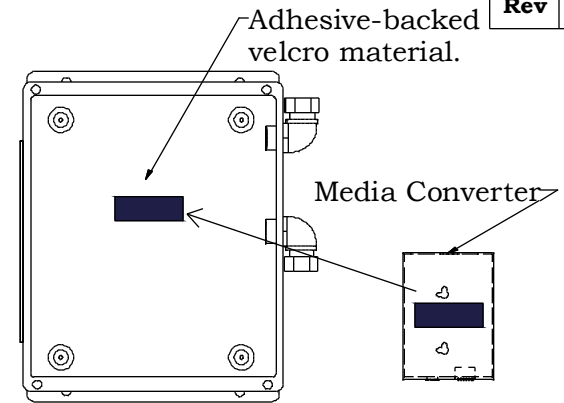
Display Side:
25' cross over to Signal-In on message center.

Control Room Side:
3' cross over to Composer PC



Front View Showing Cabling
(for control room and display side)

* Media Converter (mount on back of raintight box)

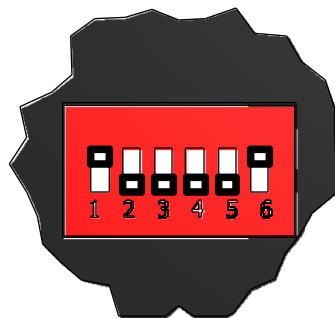


*Install media converter using two 2" pieces of velcro-type fastener provided by Nevco. Peel adhesive backing and place a strip on back of raintight box and a strip on the media converter. Press firmly to attach.

Notes:

1) Connect same color fiber optic cable to "TX" in the control room that is connected to "RX" at the outdoor junction box. Connect same color fiber optic cable to "RX" in the control room that is connected to "TX" at the outdoor junction box. Only attempt termination of fiber optic connections if properly trained and qualified.

2) The rain-tight box and components shown above are required at the display and in the control room. Make connections as shown both sides.



Fiber optic to ethernet converter settings

Message Center
Wired Installation



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Sheet 2 of 4

**Temperature Sensor
Photo Cell**

Locating the Sensors

- 1) Place in a discrete location.
- 2) Do not completely enclose the sensor box.
- 3) Placing the sensors in direct sunlight can elevate the temperature readings.
- 4) Cord Length = 8 feet.

Note: It is not necessary to remove display panels to make any connections.

Connect cable from sensor to Temp. Sensor Photo Cell cable located behind Power/Signal-In access panel. Install through supplied bushing.

* Connections can be made using supplied bushings and nuts or 1/2 conduit.

Power

*** Power/Signal-In
Access Panel**

Remove knockout on panel here to make connection.

Signal-In

- cross over from media converter
- remove knockout label 'Signal In' on panel to make connection

Remove other access panel to make connections and replace when finished. Wires for connections located inside cabinet.

**Message Center
Wired Installation**



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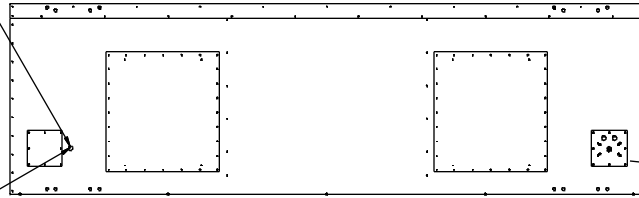
Drawn JW

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Sheet 3 of 4

For double sided message centers, connect cable here and run straight through to Signal-In of second message center.

Single Cabinet Message Center



**Temperature Sensor/
Photo Cell**

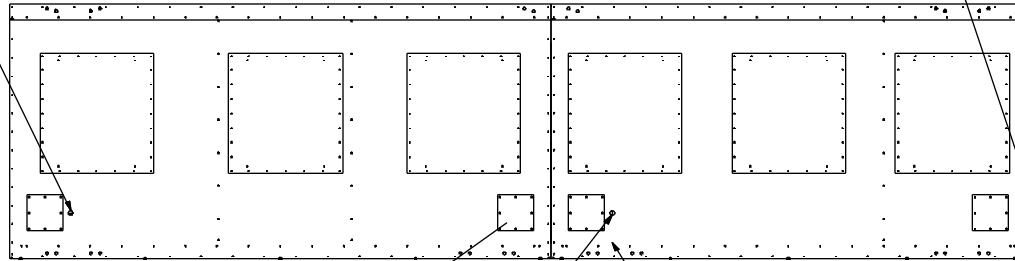
Power

Power/Signal-In Panel

Signal Out
(remove plug or knockout to make connection)

Note: Remove knockouts in access panels where necessary to make connections.

Multi-Section Message Center



Signal-Out

Remove panel and re-mount according to label with 2x4 box on outside of cabinet.

Power

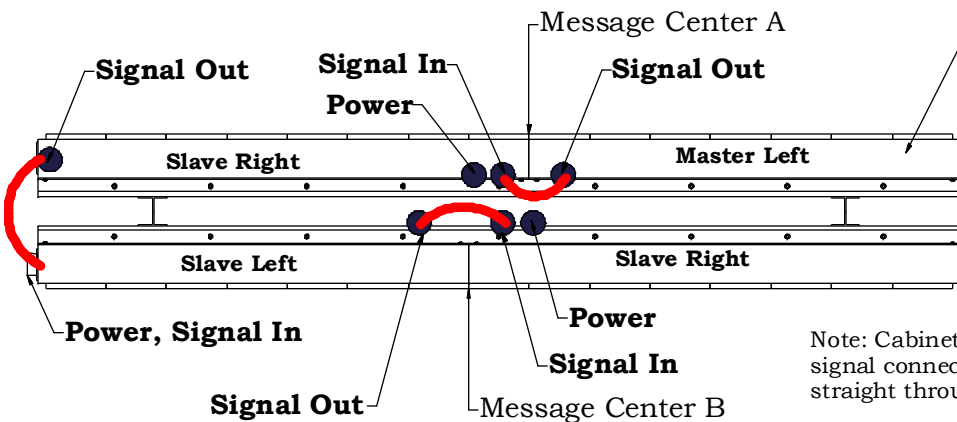
Connect ethernet from Signal-Out of first cabinet straight through to Signal-In of second cabinet.

Power/Signal-In Panel

Important. Read before installation.

Power entrances are located on access panels with 2x4 box. The location of this panel may vary between different message centers. Access panels can be swapped to allow placement of incoming power/signal on the side, back or bottom of the message center typically. This sign is intended to be installed in accordance with the requirements of Article 600 of the National Electrical Code and/or other applicable local codes. This includes proper grounding and bonding of the sign. All personnel who work with electrical connections must be educated in the safe procedures for installing and repairing electrical connections before they are given the responsibility of performing such tasks. Conduit and fittings are supplied by installer.

Multi-Section, Double Sided Message Center



Cabinet 1 is identified by Nevco logo next to Power/Signal-In panel.

Power, Signal-In
(ethernet connection from media converter)

Note: Cabinet to cabinet signal connections are straight through ethernet.

Message Center
Wired Installation



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