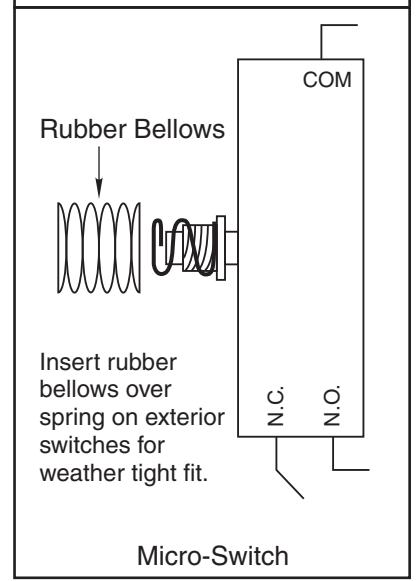
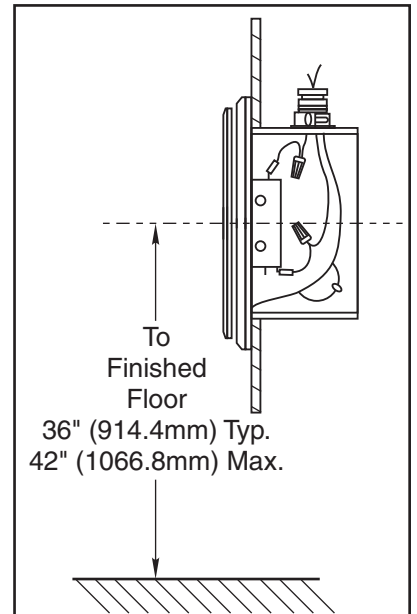
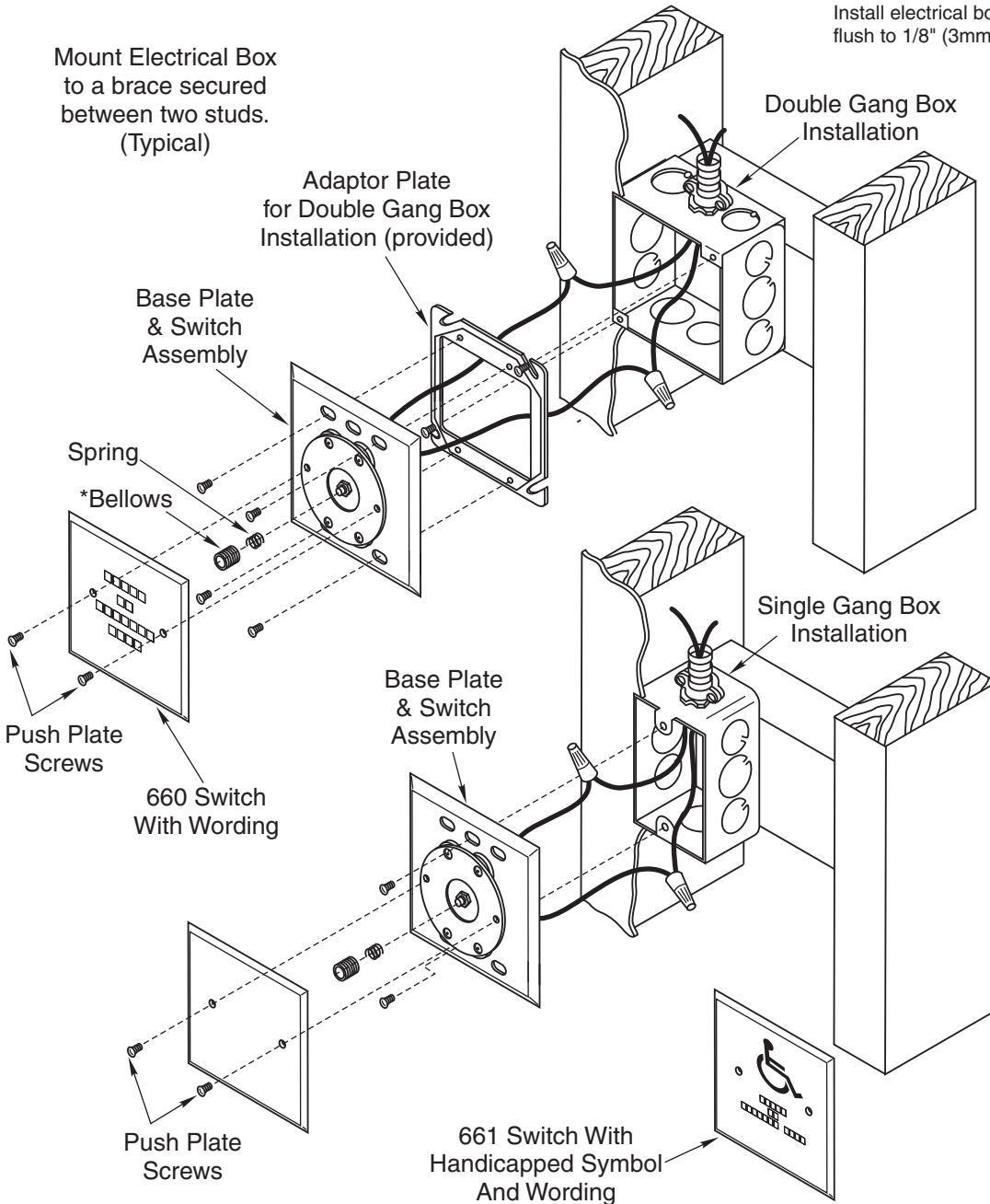


80-9366-1960-020 (01-09)

Model 660 Without Handicapped Symbol
Model 661 With Handicapped Symbol
Push Plate Activated Switches

SWITCH INFORMATION
• MOMENTARY CONTACT (N.O.) CONTACTS USED
• RATED 15 AMPS @ 250 VOLTS

Install electrical box so that face of 1/4" (6.3mm) adaptor plate is flush to 1/8" (3mm) recessed from finished face of wall.



* Bellows intended for weather tight applications.

Signage: See Step No. 8 on reverse side of this sheet for sign usage and application.



No. 432

For Use with 660 Switch



No. 433



No. 424

For Use with 661 Switch



No. 429

COMPONENTS

- 2- Wire Nuts (not supplied)
- 2- Face Plate Mounting Screws (assembled)
- 1- Push Plate (assembled)
- 1- Base Plate and Switch Assembly
- 2- Spade Connectors
- 4- 6-32 Base Plate Attaching Screws
- 1- Adaptor Plate for 2 Gang Electrical Box

80-9366-1960-020 (01-09)

- 1- Two Gang Electrical Box (with 2 adaptor plate fastening screws)
- 2- Signs (Wall or Door)
 - 1- Sign 429 (661) or 433 (660): For use when unit is configured for Power Operator Function (POR)
 - 1- Sign 424 (661) or 432 (660): For use when unit is configured for Power Assist

DETERMINE TYPE OF SWITCH APPLICATION

- Flush Wall Mount:
 - Two Gang Electrical Box Provided
 - Other Two Gang Electrical Box (by others) with a vertical distance of 3-1/4" (82.5mm) on center between mounting holes for Base Plate and Switch Assembly, or 4-3/4" (120.6mm) diagonal distance on center for use of Adaptor Plate (provided).
- Surface Wall Mount:
 - Interior use, Two Gang "Wiremold" Electrical Box (by others).
 - Exterior use, Two Gang "Bell" Electrical Box (by others).

Important: 120VAC POWER INPUT to PowerMatic circuit board must be turned OFF while making switch connections to the circuit boards terminal strip.

INSTALLATION INSTRUCTIONS

1. Install electrical box (at a safe distance from door swing if installed on the pull side of the door). See reverse side of this sheet for height location from finished floor.
2. Remove (2) push plate mounting screws and set push plate aside.
3. Fasten adaptor plate to double gang box using (2) screws provided with gang box. †
4. Route (2) wires from electrical box to JP1 terminal on main board of operator. Strip ends of wires on both ends 1/4" (6mm). See wiring information at right.
5. Cut (2) 16AWG switch wires approximately 5"-6" (127-152.4mm) in length. Strip both ends of wires. Crimp spade connectors on one end of each wire. Slide (1) spade connector onto the NO spade and (1) spade connector onto the COM spade of switch assembly. Make final connection of switch wire to unit wiring with wire nuts.



Caution: These are dry contact leads. No power permitted or damage to PC board will occur.

6. Fasten base plate and switch assembly to adapter plate with (4) 6-32 screws provided. †
7. Install bellows over switch assembly spring (for weather tight applications). Reassemble push plate to base plate and switch assembly with (2) flat head machine screws.
8. Install the correct self-adhesive sign(s) for high visibility on the door surface or wall surface.
 - Surface to which sign is applied should be clean, hard, flat and nonporous.
 - Peel off backing to expose surface adhesive and apply sign to appropriate door or wall surface.

661 Wall Switch:

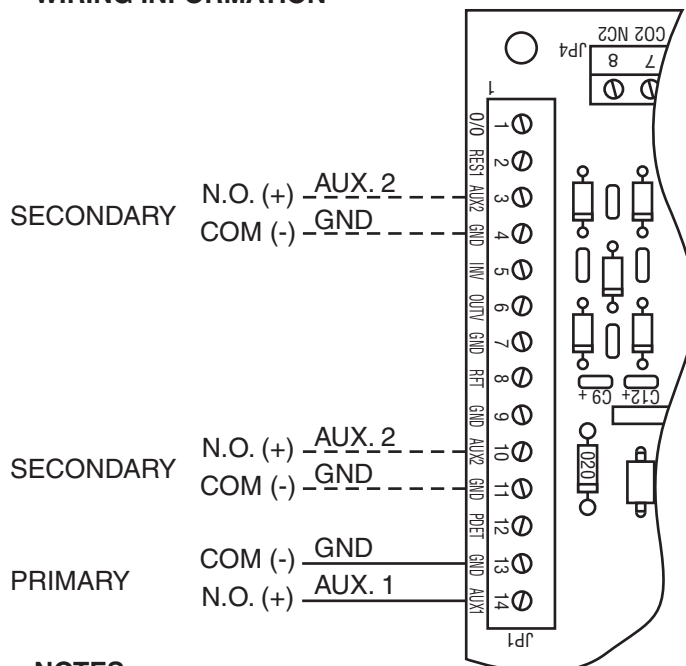
Sign 429 for use when unit is configured for Power Operator Function (POR) Sign 424 for use when unit is configured for Power Assist Function (PAS)

660 Wall Switch:

Sign 433 for use when unit is configured for Power Operator Function (POR) Sign 432 for use when unit is configured for Power Assist Function (PAS)

(See page 1 of PowerMatic Operator's Installation Instructions for function definition)

WIRING INFORMATION



NOTES

1. Any number of wall switches in parallel with terminals on PowerMatic unit's printed circuit board.
 - Use terminals JP1-14 and JP1-13 on PowerMatic circuit board for connection of a single switch or a set of switches that are run in parallel.
 - Use terminals JP1-3 and JP1-4 or JP1-10 and JP1-11 on PowerMatic circuit board for connection of a second switch or second set of switches that are run in parallel.
 2. Vestibule Function - Refer to Wiring Instructions 80-9369-0901-020 packed with PowerMatic unit for details of this function.
 3. PowerMatic instruction sheets available for download at: www.nortondoorcontrols.com
- † Installation using SINGLE gang electrical box: Skip step 3. The adaptor plate will not be used. In step 6, CONNECT base plate and switch assembly directly to the single gang electrical box with only (2) 6-32 screws provided after completing steps 4 and 5.

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