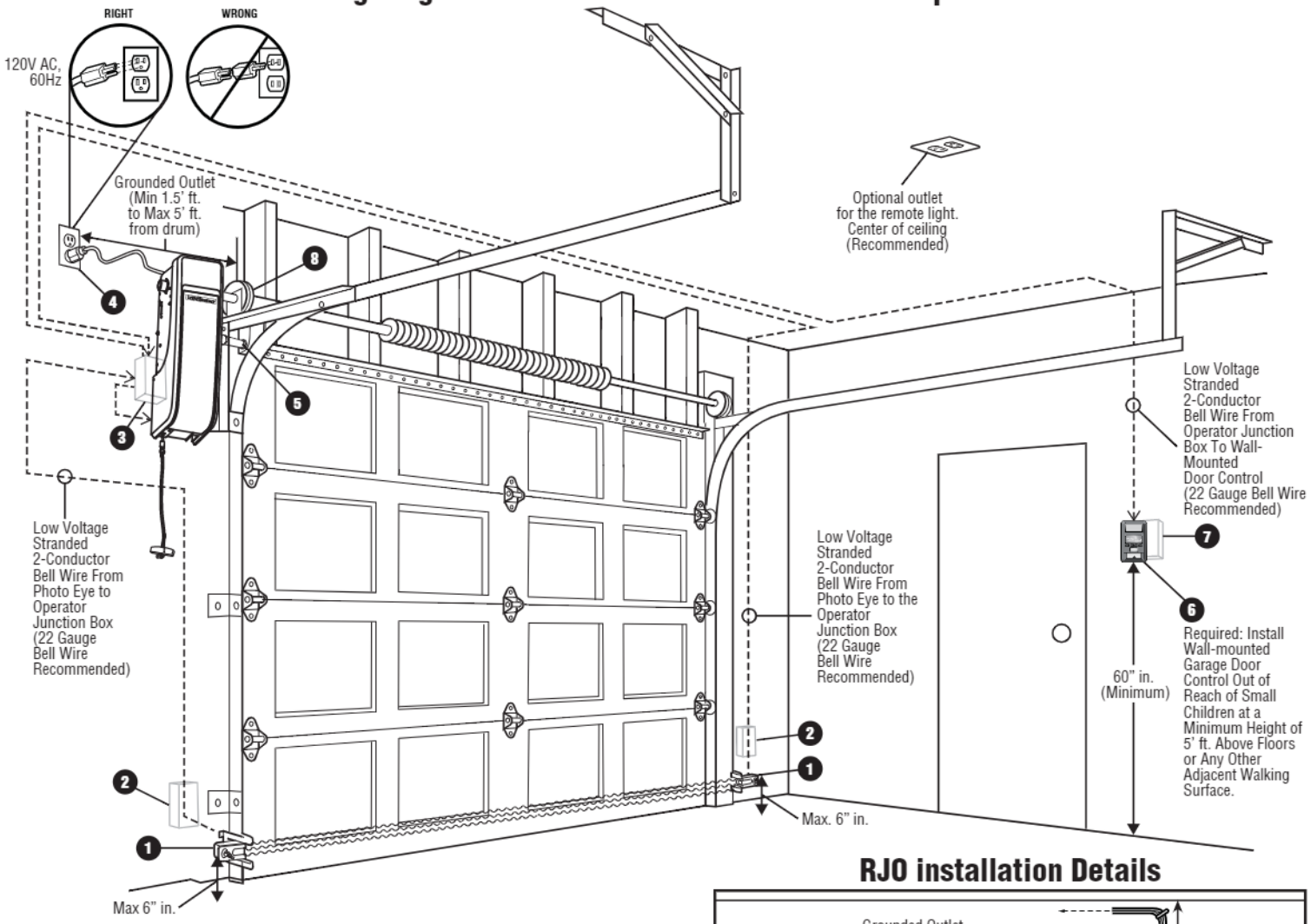
Wiring Diagram For Standard Lift Doors With RJO Operators



1. Safety Sensors (Installed 6" in. Max Above Floors)
2. Safety Sensor Junction Box, Behind Sheetrock (With Junction Box Cover on Wall.)
3. Gang box for all wires (Located Behind Opener)
4. Grounded Outlet (Min 1.5' ft. to Max 5' ft. from drum) See RJO Install Detail at Right.
5. Cable Tension Monitor Installation
6. Gang Box (Under Door Control)
7. Door Control (Min 60" in. Above Floor)
8. Drum

Legend

--- Low voltage stranded 2-conductor bell wire, minimum 22 AWG

Notes:
Junction boxes for low voltage wiring for the garage door accessories ideally will be in a plastic gang box with a coaxial cable cover plate. Allow 2' ft. of extra wiring at the photo eye junction boxes and 3' to 4' ft. of extra low voltage wiring near the operator low voltage wiring junction box.

Junction boxes for wall station ideally will be in a plastic gang box. LiftMaster Wall-Mounted Door Control will screw into a gang box and act as a cover.

Multiple door gang boxes must be 2" in. apart. Junction box in ceiling by operator should be 1' ft. off-set and ideally should be in a plastic junction box with a coaxial cable cover.

Wires can come directly out of wall, but for best finish install junction boxes as noted above.

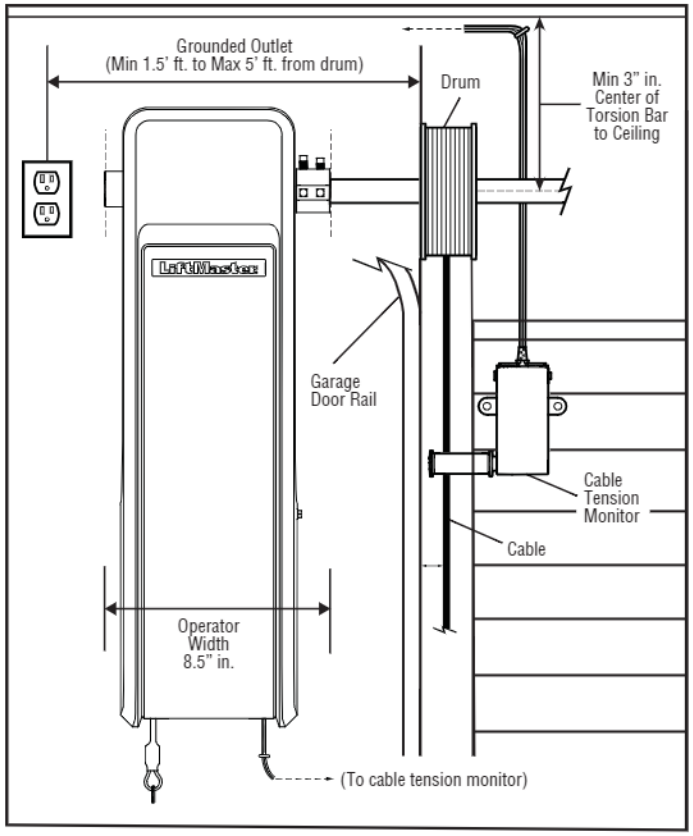
Operator can be mounted on left or right side of door. Power Lock and Cable Tension Monitor goes on the same side as operator.

Dotted line wire depicted above can be stapled to wall or ran behind sheetrock and does not require conduit. Cord length = 6' ft. and Minimum of 12" in. is required between operator and electrical outlet.

Compliance with the NEC
It should be noted that placement of wiring should comply with the applicable provisions of the National Electrical Code (NEC), and/or state and/or local requirements, that govern the project being undertaken.

Important NEC Information
Do not run any low voltage control wires close to the 120-volt power line. Do not run any wires through the same holes as the 120-volt power line in studs or cross ties. Either of these conditions will not comply with the NEC and may interfere with safe operation of the garage door operator.

RJO installation Details



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