

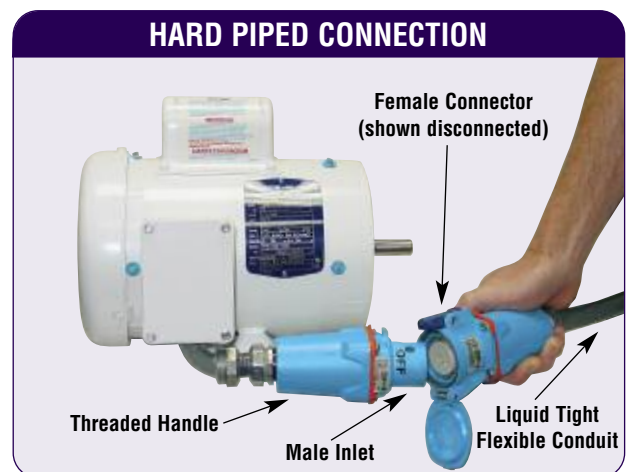
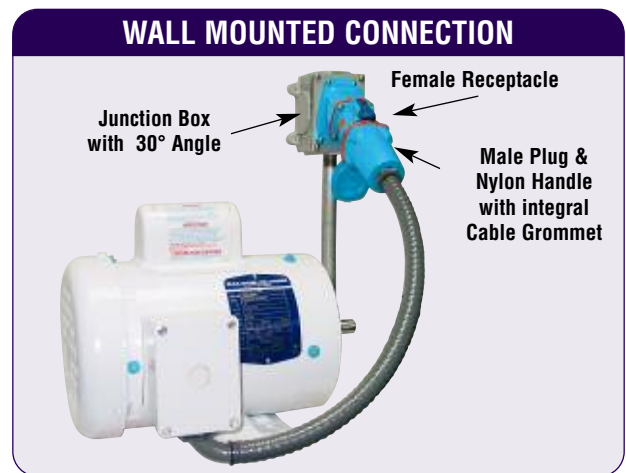
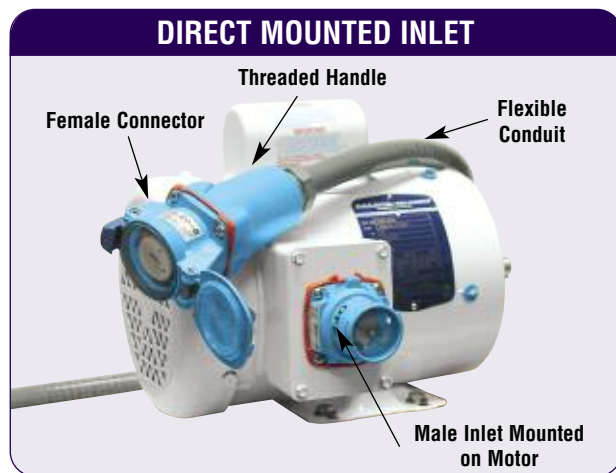


MELTRIC MOTOR CONNECTION GUIDE

Meltric Deconnectors are a combination plug & receptacle and disconnect switch in the same device. With their UL and CSA switch ratings, Deconnectors provide users with a cost effective and convenient means of providing the NEC required 'line of sight' disconnect. They also help to significantly reduce motor change-out downtime by combining plug and play simplicity with the safety of a dead-front switch. Motors that are pre-wired with a plug or inlet can be connected simply by being plugged in, and because there is no access to live parts, the need for NFPA 70E required arc-flash hazard analysis and associated PPE is eliminated.

Deconnectors can be installed in a number of ways, making it easy to accommodate the requirements of the application and preferences of the user. Examples of common installation practices are shown below.

TYPICAL MOUNTING CONFIGURATIONS



SOLVING THE MOTOR ROTATION ISSUE

PROBLEM: INCORRECT MOTOR ROTATION

Phase variations within a manufacturing plant and wiring errors during motor installation can cause motors to rotate in the wrong direction, extending downtime and potentially damaging products and/or equipment.

SOLUTION: USE DECONTACTOR™ SERIES SWITCH RATED PLUGS & RECEPTACLES TO HELP ENSURE CORRECT MOTOR ROTATION



DECONTACTOR RECEPTACLE

When DECONTACTOR receptacles are installed, a test motor or motor rotation meter can be used to verify that the intended polarization is achieved. Improper phasing can easily be corrected by switching wire locations on the receptacle.



PREWIRED MOTOR

Test receptacles with matching polarization should also be installed at the motor service shop. This allows the electrician to verify that the intended direction of rotation has been achieved each time a plug or inlet is wired to a motor.



CONNECTING A MOTOR

Mechanics can safely connect motors that are pre-wired in this manner simply by plugging them in. The correct motor operation is ensured and the problems and additional downtime resulting from improper rotation are eliminated.

BENEFITS: REDUCED EQUIPMENT CHANGE-OUT TIME

Motors connected with Meltric Decontactors can be replaced up to 50% faster than hard-wired motors. Their plug and play simplicity eliminates the need to perform on-site wiring work. This not only saves the wiring time and eliminates potential delays caused by improper motor rotation, but also allows mechanics to perform the motor change-out, eliminating the need to wait for an electrician.

ENHANCED USER SAFETY

Meltric's Decontactors are designed to maximize user safety. Spring-loaded, silver-nickel, butt contacts provide a superior electrical connection that resists corrosion and does not deteriorate with wear or oxidation. Dead-front construction and enclosed arc chambers prevent contact with live parts and exposure to arcing. Switch, horsepower, and short circuit make and withstand ratings ensure that users can safely make and break connections under full load.

SIMPLE & COST EFFECTIVE CODE COMPLIANCE

DECONTACTOR Series plugs and receptacles are UL and CSA rated for use in motor circuit and branch circuit switching and disconnect applications. Using Decontactors to connect electrical equipment automatically provides the NEC required 'line of sight' disconnect, making code compliance easy and eliminating the need for separate disconnect switches or mechanical interlocks.