MANUAL MOTOR STARTING SWITCHES WITHOUT OVERLOAD PROTECTION IN NSS ENCLOSURES MADE OF KRYDON™

INSTRUCTIONS FOR INSTALLATION & MAINTENANCE

APPLICATION

NSS Manual motor starting switch enclosures are used for manual “on” and “off” control of DC, and single phase or three phase AC motors where overload protection is not required, or is provided separately. Enclosure complies with NEMA Types 3, 4X, 12 requirements.

HOW TO INSTALL

WARNING

Make certain electrical power source is OFF before starting installation or maintenance.

1. Completely loosen all captive cover screws.

2. Lift off cover and set aside carefully to prevent damage to gasket.

3. Enclosure has four 7/32” diameter holes, one at each inside corner for surface mounting. Drill mounting pattern as shown in Figure 1 and securely mount enclosure in desired position.

4. Install conduit in the entrance hubs of the enclosure in the manner outlined in separate instruction sheet IF618 included.

5. Bonding and grounding of conduit and equipment: The NEC requires that when more than one conduit enters the box, ground continuity between conduits must be maintained through proper bonding. Internal mounting plate must be bonded to the conduit. A grounding conductor, if used, must be connected to the conduit bonding system.

Use Crouse-Hinds type GP or GB bonding fittings. See Figures 2, 3, 4 & 5 for recommended wiring procedures. Use wire type and size as required by NEC or other applicable standards.

6. Pull wiring from power and motor circuit to provide enough length for connections to be made in the proper manner. Power source must be a branch circuit protected in accordance with NEC requirements.
7. Remove switch from mounting bracket on cover unless enclosure only is purchased and switch is to be installed in the field.

8. Make line and load connections to switch per the enclosed wiring diagram in manner that will comply with applicable codes.

9. Replace switch on mounting bracket using screws provided. Properly align cover operating mechanism with toggle on switch. Securely tighten screws and check operation.

10. CAUTION: Make sure that cover gasket and body flanges are free of dirt and grit before mating to insure proper seating of gasket.

11. Replace cover on body. Securely tighten 10-32 cover screws. Do not exceed 35 inch-pounds torque.

12. Installation is now complete and electrical power can be turned on.

PERIODIC MAINTENANCE

Perform visual, electrical, and mechanical checks of all components on a regular schedule. This should be determined by the environment and frequency of use but it is recommended that it should be at least once a year.

All statements, technical information and recommendations contained herein are based on information and tests we believe to be reliable. The accuracy or completeness thereof are not guaranteed. In accordance with Crouse-Hinds' "Terms and Conditions of Sale", and since conditions of use are outside our control, the purchaser should determine the suitability of the product for his intended use and assumes all risk and liability whatsoever in connection herewith.

FILE THIS INSTRUCTION SHEET FOR FUTURE USE.