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Bulletin

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Subject: NB-4000 Safety Improvements

Effective on all NB-4000 operators shipped after January 1, 2015, we have incorporated the following safety improvements to all NB-4000 and NB-4000-XXX that have built in Battery Backup and Emergency Hand Wheel features as standard product. The designation –EMG will follow the model number on all applicable documents. Please refer to the Manuals for more detailed information:

- **Emergency Open/ Battery Backup Test:** pulling out the mushroom head switch located on Emergency Hand Wheel enclosure will disconnect AC power to the motor and provide DC battery power to automatically open the door. The mushroom head LED light will come on indicating the operator is in emergency mode. Note: power entering this enclosure is class 2 low-voltage.

With the Emergency Hand Wheel enclosure easily accessible to the technician, activation will provide 2 benefits: (1) automatically opens the door in the event that any normal component (motor control, PLC, safety sensors, activation switches) has malfunctioned. (2) provides a much easier method, then in the past, for performing periodic **Battery Backup Tests**. In both cases the end of travel limit switch will disconnect DC power to stop the door in the open position. Pushing in the mushroom head switch will reset the operator.

- **Emergency Hand Wheel Manual Operation:** opening the door to the enclosure will automatically disconnect AC and DC power to the motor; thus, providing for safe and easy testing of the Emergency Hand Wheel Manual Operation without any danger of potential battery backup activation while performing the test. In addition, removing any resistance caused by the regenerative feature of the motor drive. *In the past, the 8 amp and 15 amp breakers inside the main panel needed to be shutoff prior to performing this test.*

Sincerely,

Karl Kinzer
President