Rake System Control Panel

North Star Electrical Control Panels are custom designed so you can operate any North Star ice maker, storage, and delivery system efficiently. Integrated with a Programmable Logic Controller (PLC) and touchscreen operator interface, you can easily control all components of your ice system with confidence.

Feature	Benefit
Door-mounted main power disconnect	• One (1) three-phase power feed is needed to supply all required motor and control power for the entire system
Built-in Control Transformer	• Eliminates need for installer to connect additional low-voltage, single-phase circuit for control power
Industrial grade electrical enclosure rated UL Type 12 (IP-55)	• *Optional Stainless Steel enclosure for food processing applications or environments prone to corrosion
Door-mounted operator interface with a 7" color touchscreen	• View system status and fault messages and fine tune set points system
Typical Control Panel includes motor starters and motor circuit protectors for the following:	• Rake drive motor with VFD • Hoist drive motor with VFD • Bin door operator motor • Discharge screw drive motor • One (1) Ice Maker rotor motor • One (1) Ice Maker water pump motor • *Optional VFD and motor starters for additional equipment can be added
Allen-Bradley Logic controller	• Premium brand for trusted reliability and support
Remote access VPN router	• (Note: Router requires connection to customer-supplied network connection with unblocked access to the internet)
Complete Control Panel Labeling	• Indicates that it is UL listed under UL Standard 508A as Industrial Control Equipment
Stack light with green and red system status lights	• Long range indication of system status and faults

Typical Rake System Control Panel