



INTELLISTART

ACCESSORIES

www.geostar-geo.com



Use Flat Blade or #2 Pozzi Screwdriver
Tightening Torque: 1.3Nm (9.5 lb/in)

IntelliStart™

PART# 150B12-205N

← RUN WINDING
← N/A
← ACTIVE
← START WINDING
← N/A
← COMPRESSOR COMMON

115V, 60Hz, 12-20 FLA

Requires a Contactor:
Starts on Contactor Closure

Red → Run/Winding
Pink → Active
Blue → Start
Black → Common

Run Capacitor, Compressor, T2, CC, T1

WARNING: Allow 2 minutes to discharge run capacitor before disconnecting.

LED: Off (Normal)
10 Flash / Second (Low Voltage)
3 Flash / 3 Seconds (3 Failed Starts)
1 Flash / 3 Seconds (Over Current)
1 Flash / Second (Other Fault)

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LED

CE, RoHS 2002/95/EC



IntelliStart

As a compressor starts, it draws 5 to 10 times the amount of current it normally requires to run. This demand is called Locked Rotor Amps (LRA). The inrush of current and sudden startup can be stressful to the compressor and some electrical components. A GeoStar IntelliStart system allows the unit to start using only 30% of normal amperage—far lower than other soft start solutions. You'll reduce wear and tear on your compressor and protect it from potentially damaging low-voltage sags. Light flicker associated with your unit will be a thing of the past, and you'll have a quieter system thanks to greatly diminished start-up sound.

The IntelliStart system also makes it easier to implement a back-up generator or off-the-grid power technologies like Solar PV and Wind. Many homeowners (and even some utilities) are forced to implement oversized electric generation systems to satisfy the momentary spike of starting amperage for HVAC equipment like furnace fans, air conditioners, heat pumps and geothermal units. With IntelliStart, you'll drastically reduce that demand and save money on standby generators and power generation infrastructure.

Light flicker associated with your unit will be a thing of the past...

IntelliStart

The IntelliStart system can extend the life of your unit by drastically reducing start-up current (just 30% of normal amps) and save money on back-up generator requirements.



FEATURES AND BENEFITS

- ✓ **SOFT STARTER:** Reduced light flicker and diminished start-up sound provide a quieter unit.
- ✓ **VOLTAGE PROTECTION:** IntelliStart will protect the compressor from potentially damaging low-voltage sags.
- ✓ **RENEWABLE POWER:** Implement off-the-grid power technologies like Solar PV and Wind more easily.
- ✓ **EASY INSTALLATION:** Available as a field retrofit kit or as a factory installed option on most of our residential units.

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