

TECHNICAL INFORMATION COMMUNICATION



Quality and Continuous Improvement

Number: TIC2019-0016

Date: 8/7/2019

Title: ABB VFD Updates

Product Category: Light Commercial

Products Affected

All ABB ACS320 Drives

Technical Information

Parameters Updated to help prevent nuisance VFD shut down.

- 1611 set to (3)
- 2603 set to (0)
- 3102 set to (300.0s)
- 3103 set to (6)
- 3104 set to (1 Enable)
- 2102 set to (1 coast)

Fuses upgraded from the drive minimum current to a current representing the various field reported issues. The changes are reflected in the drive service manuals.

Catalog Number:

Carrier VFD-07SI
Bryant IIVFD-07

Note all of the above changes have been correct at the factory 5018

Useful ABB Drive information:

DO NOT USE THE ASSIST FUNCTION!

DO NOT USE THE DRIVE TO BALANCE THE AIR (CFM)!

Key pads do not come with the OEM drive

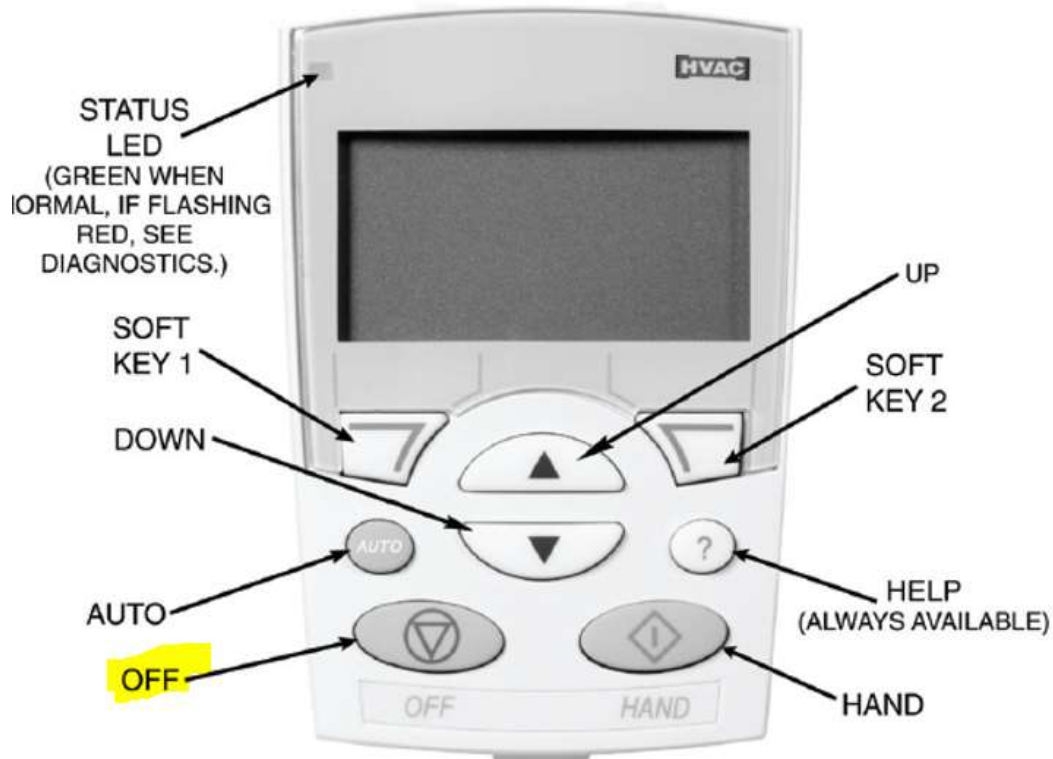
1. Before condemning the drive use a key pad to reprogram using factory supplied parameters.

Before programming with the key pad

1. Turn the key pad off to allow programming of the drive. Programming is not possible if left on.

Only trained and qualified personnel should design, install, repair and service HVAC systems and equipment. All national standards and safety codes must be followed when designing, installing, repairing and servicing HVAC systems and equipment. It is the responsibility of the Dealer to ensure local codes, standards, and ordinances are met.

TECHNICAL INFORMATION COMMUNICATION



Wild Leg (Stinger Leg) power supply

1. Need to add a transformer to correct for leg to leg imbalance.

RC Replacement drives

1. Will only have a basic ABB program only, but parameters are not pre-programmed.
2. All parameters will need to be field programmed follow direction in one of the above manuals.

Reset after someone has used the assist function.

1. Parameter 9902 change from HVAC Default to any other Macro
2. Save the changes
3. Parameter 9902 change back to HVAC Default
4. Save the changes
5. Program the other parameters

Before condemning the drive do the above procedure and reprogram the drive.

When you bypass the drive to get temporary functionality this bypasses the fire shutdown and the drive should never be left in a bypassed condition permanently!!!

Only trained and qualified personnel should design, install, repair and service HVAC systems and equipment. All national standards and safety codes must be followed when designing, installing, repairing and servicing HVAC systems and equipment. It is the responsibility of the Dealer to ensure local codes, standards, and ordinances are met.