Frequently Asked Questions
ACS310 Industrial Pump & Fan AC Drive

What comes standard on the ACS310?
- Short user's manual (3AUA0000044200, Rev A / EN)
- Blank Panel
- Wire Brackets

How do I get electronic copies of the Long & Short User's Manuals, Technical Catalog, 2-page Flyer & Price Pages?
- Log onto www.abbnow.com and download the recent versions.

What options ARE compatible with the ACS310?
- Relay Extension Modules (MREL-01)
- Basic Control Panel (+J404) Rev. M or Later (ACS-CP-C)
- Advanced Control Panel (+J400) (ACS-CP-A)
  - The ACS310 is compatible with ACS-CP-A Advanced control panel Rev E or later. (New panel series manufactured since 2007 with serial number XYXXXRXXXX, where year Y = 7 or greater and revision R = E, F, G)
- Control Panel Mounting Kit (ACS/H-CP-EXT)
- Panel Holder Mounting Kit (OPMP-01)
- NEMA 1 Enclosure Kits (MUL1-R1, MUL1-R3, MUL1-R4)
- NEMA 4X Remote Panel Package (ACS-H-CP-EXT-IP66)
- Remote Monitoring - Ethernet Adapter (gateway) (SREA-01)
- PC Tools and adaptors
  - FlashDrop (version 1.2 or later) (MFDT-01)
  - DriveWindow Light 2 (Version 2.9 or later)

Is there a Democase available for the ACS310
- No, there is no Democase available.

What functionality is NOT in the ACS310?
- Brake Chopper
- Sequence Programming
- Vector Control

What options ARE NOT compatible with the ACS310?
- Pulse Encoder Module (MTAC-01)
- Speed pot (start / stop, fw / rev switches (MPOT-01)
- Fieldbus Adaptor Modules
  - CANopen   (FCAN-01) (+K457)
  - PROFIBUS (FPBA-01) (+K454)
  - DeviceNet (FDNA-01) (+K451)
  - Modbus (FMBA-01) (+K458)
  - Ethernet (FENA-01) (+K466)
  - Modbus RS 458 Coated Board (FRSA-00)

What functionality is in the ACS310?
- Built-in Pump Fan Control (control method to operate with multiple pumps or fans)
- Built-in Specific Pump Fan Control(Used for pump and fan applications to avoid high pressure peaks while connecting new Auxiliaries)
- Pump Protection Functions (Pump protection function can be used to generate alarm, protection or fault)
- Boosted Energy Efficiency – built-in energy counters, energy saved displayed in local currency
- Software controlled cooling fan
- Several drive control methods
- U/f curves: linear, squared, user defined
- Energy optimizer (energy optimizer minimizes motor losses and noise, while reducing motor magnetizing current especially on partial loads)
- Energy Efficiency Calculators (Savings in local currency units)
- Full output current rating at 50*C
- Embedded Full - Featured Modbus
- Software controlled phase inversion

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