

What's in our new AC Drive?

Features galore AND a wealth of options starting at only \$422!

PLC inside

A fully functional PLC is built in to the GS4 drive. Capable of up to 10k steps, it's perfect for drive-related logic requirements. Control the drive and I/O with standard ladder logic (and our FREE downloadable PLC software, GS-Logic). Advanced PLC features include 32-bit math, Gray Code, drive frequency control, read/write drive parameters, real-time clock/calendar with support for daylight savings time and full drive PID control. And it's all on-board!

Safe Torque Off

The Safe Torque Off (STO) function is a basic drive-integrated safety feature. Use this input signal to ensure that no torque-generating energy can flow to the motor. This function is often used in emergency stop situations and/or to prevent unintentional motor starting.

100kA SCCR rating

A 100kA Short Circuit Current Rating (SCCR) is required for personnel safety in many factory environments and to meet a host of regulatory requirements including:

- NEC Article 409
- UL508A
- NFPA70E

SCCR is defined as the maximum short circuit current a component or assembly can safely withstand when protected by a specific overcurrent protective device, or for a specified time interval. The use of high-speed class J or class T fuses on the incoming power is required for these installations.

50°C rating

The excellent heatsink design of the GS4 series provides a 50°C rating, allowing the GS4 drives to operate in harsh ambient conditions (that's 122°F!). GS4 series drives can also be "flange mounted" - see details at right. This allows the use of a smaller enclosure, or reduces the need to cool the enclosure, or both!

Fire mode

Run Fire mode during emergencies for uninterrupted smoke removal and system pressure. Sometimes called "run until destruction" mode, this feature should be used as a measure of last resort; it can be useful, even life-saving in certain situations (keeping a stairwell clear of smoke, for instance). The drive will ignore all alarm inputs, and reset immediately on any trips. Use with caution, especially during any testing that is required.

DURA
PULSE
GS4

Circulative control mode and multi-motor control

The GS4 drives offer five different control modes for circulation pump control. A single GS4 can control up to 8 motors in a cyclic or cascading fashion by using a combination of VFD control and across-the-line control. Relay outputs on the drive operate contactors that allow the VFD to control one or more motors, while additional relay outputs provide across-the-line control of other motors via separate contactors.



PID control – including sleep and wake

The GS4 series drives support full PID control to automatically apply accurate and responsive corrections to a control function with external influences. Proportional, Integral, Derivative (PID) control is a mainstay in industrial control, bringing complex processes up to speed with little or no overshoot, or controlling pressure, force, feed rate, flow rate, position, etc.

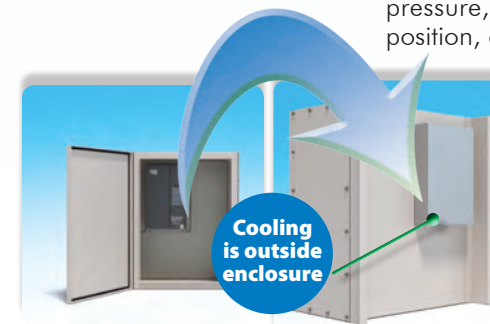
The Sleep Mode function is actuated when the frequency of the output command or the feedback signal falls below the Sleep Reference point for a specified period of time. When asleep, the drive output is off and it simply monitors Wake-up Reference point. A separate Wake-up Delay Time can be used to delay the Wake-Up routine.



Flange mounting

All GS4 drives up to 215 HP can be "flange mounted", a through-mounting technique that puts the drive's heatsinks on the outside of the enclosure. This allows the use of a smaller enclosure, or reduces the need to cool the enclosure, or both! The smaller A through C

frame drives have optional flange mount kits, while the D through F frame models come with the flanges already attached. The largest G frame drive isn't normally mounted in an enclosure, so it doesn't have provisions for flange mounting.



All the above plus much more starting at only \$422, check out the **DURA PULSE GS4 Series** of AC drives at www.go2adc.com/GS4

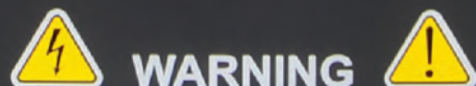
25+ Helpful videos with more added every week!
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- Read the user manual before operation.
- Risk of electrical shock. Wait 10 minutes after removing power before servicing.
- Do not connect AC power to output terminals U/T1, V/T2 and W/T3.

For more information, visit
www.DURApulse.com/GS4

