

DURAPULSE GS4 AC DRIVE

USER MANUAL REVISION HISTORY



PLEASE INCLUDE THE MANUAL NUMBER AND THE MANUAL ISSUE, BOTH SHOWN BELOW, WHEN COMMUNICATING WITH TECHNICAL SUPPORT REGARDING THIS PUBLICATION.

MANUAL NUMBER: GS4_UMW
ISSUE: FIRST EDITION, REVISION N
ISSUE DATE: 04/02/2025

Publication History		
Issue	Date	Description of Changes
First Edition	10/18/2017	Original Issue
1st Ed, Rev A	10/20/2017	Ch1: Drive specifications Ch4: Analog input parameter examples, Parameter explanations Ch8: Various explanation revisions, screen capture examples, etc. AppxA: Fuses AppxB: GS4-06CDD Digital Inputs Wiring AppxC: Added AI1 note AppxF: P7.25 diagrams
1st Ed, Rev B	11/17/2017	Ch3: Display setup back-light info Ch4: Parameter information AppxA: EMI filters AppxB: Info re GS4-CM-ENETIP external controller's RPI AppxD: CLICK PLC program examples AppxF: Parameter explanations
1st Ed, Rev C	05/07/2018	Ch2: AI3 diagram Ch4: Various parameter settings and explanations Ch5: Recommended communication cable; various parameter settings AppxB: Option Card Installation, ENet/IP Comm Protocol Param Addresses AppxF: Revised explanations
1st Ed, Rev D	07/06/2018	Ch4: Various parameter settings and explanations AppxF: Revised PID explanations
1st Ed, Rev E	10/31/2018	AppxF: Revised "Definition of PID Loop "Directions""
1st Ed, Rev F	04/18/2019	Ch6: Revised ovA fault corrective action AppxB: Revised GS4-CM-ENETIP specs, GS4-CM-MODTCP specs & error code 86
1st Ed, Rev G	07/18/2019	Ch1: Environmental Conditions Ch2: Added frame sizes and markers for note #2 in "Airflow and Power Dissipation" table Ch4: P4.09 descriptions AppxA: Added flange mounting instructions for frame sizes D0, D, E, F AppxB: Revised GS4-CM-ENETIP error code 86 & "Using Speed Mode as a Control Method"
1st Ed, Rev H	03/25/2020	AppxA: Added new line reactors and output filters; Revised note for class J fuses AppxB: Revised address "2" of "Communication Protocol Parameter Address Definition" "Commands to GS4"; added Comm Card firmware update instructions
1st Ed, Rev I	08/18/2020	Ch4,7,8: Various updates AppxB: Updated accessory card images to show new FW upgrade jumper and added instructions for FW upgrade AppxD: Updated table on D-23 to match table on B-17
1st Ed, Rev J	12/21/2020	Ch4: Added missing option for P6.36 AppxB: Added new bit 6 ~ 15 functions that were previously reserved
1st Ed, Rev K	01/29/2021	AppxB: Changed bits 13 and 14 on pages 17 and 24 to reserved.
1st Ed, Rev L	10/21/2021	Updates for firmware version 1.42. Ch1: Added note for 230V drives, frame C-E Ch4-Ch5: New and updated parameters and status addresses

Publication History, continued		
<i>Issue</i>	<i>Date</i>	<i>Description of Changes</i>
1st Ed, Rev M	03/14/2022	IE2 efficiency data added for all GS4 drive models.
1st Ed, Rev N	04/02/2025	New keypad errors, faults, and warnings added to Chapter 3.