Change Log

DE-4000 Series Configurable Safety Shutdown and Control System

Form DE-4000 OCM 02-22

altronic



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This manual contains information on the operation and configuration of a DE-4000 Safety Shutdown and Control System. This manual supplements the DE-4000 Safety Shutdown and Control System Installation Instructions, Form DE-4000 II.

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Change Log

Release Version	Section	Description
2.1	Dashboard	Need a way to create virtual buttons (On/Off, Manual/Auto)
2.1	Dashboard	Long labels do not contain themselves to the component bounds and automatically resize. Example, LED box, a long label will go on top the box and overwrite other components.
2.1	Dashboard	Long labels do not contain themselves to the component bounds and automatically resize. Example, LED box, a long label will go on top the box and overwrite other components.
2.1	Comms	ADDED - Ability to write to DE-4000 Modbus Registers. Custom handlers can be created to received written data and store or take other action.
2.1	HMI	ADDED - Automatic refresh between connected clients. Saving a change on one client forces the other client to updat.
2.1	Dashboard	FIXED - Could not add a dashboard page between other pages
2.1	Dashbaord	FIXED - Clicking on the delete (trashcan) would sometimes bring up the channel selector and add a component instead of removing the selected component.
2.1	Dashbaord	ADDED - Ability to set background color of Virtual Channels to show alarm state, faults,etc
2.1	Config	ADDED - Fault output can be inverted, activate when faulted or activate when not faulted
2.1	Config	ADDED - Start up sequence, can turn on and turn off multiple DS outputs in a single start up state
2.1	Dashboard	When defining an output there is now a single button channel selector
2.1	Dashboard	ADDED - Up to 10 dashboard pages can now be configured. The previous limit was 7 pages.
2.1	Setup	FIXED - Debug page numerous bug fixes. All outputs are now forced off when entering and exiting the debug page.
2.1	Setup	FIXED - System would not power up if a terminal board was missing. Now the system will power up and alert the user of the missing terminal board(s).
2.1	Comms	ADDED - Ability to read and write 32 bit integer and Floating point values over modbus (combine two 16-bit registers)
2.1	Config	FIXED - Several issues with loading and saving parameters have been resolved
2.1	Config	FIXED - Fixed error where “SAVE FAILED” would sometimes appear when saving configuration
2.1	Comms	Modbus, system can be remotely locked with a modbus write, can only be unlocked with a code by someone with the unlock code
2.1	Comms	All the main button presses (stop, reset, cancel timers etc.) can be initiated with modbus writes
2.1	Comms	Can define cutsom modbus write registers. Can assign code to run when a modbus register is written to. Functions can use this then as a passed variable

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Release Version	Section	Description
2.1	Application	High overspeed fault resolved
2.1	Config	Ability to configure 10 PIDs using global PID page
2.1	Config	Parameters page, user can define custom parameters that can be used in script.
2.1	Dashboard	New display elements for the dashborad page, Toggle button, Up/down, up/down input
2.1	HMI	HMI responsiveness has been improved
2.1	HMI	Visible feedback on button presses of the HMI
2.1	Dashboard	Can change background color on dashboard LED elements
2.1	Setup	Cal bug fixed
2.1	Dashboard	Custom fault function field
2.1	Comms	Extended custom fault function can define extended fault codes that can be accessed over modbus
2.1	Ext Device	Can take a value on an external device in a script and use it in the application
2.1	Comms	Can add 10000 and 00000 registers to the dashboard
2.1	Config	api req() is now added
2.1	Class C timer has default of 30 seconds. If trying to change a warning message will pop up	

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Last update: **2022/01/25 13:01**

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