
D/3[®] USB Keyboard



The D/3[®] USB Keyboard is an environmentally hardened operator's keyboard with keys dedicated to process control functions. It communicates at 12 mbps via an available USB 1.0/2.0 port on an OCM, DCM or CDCM.

The D/3 Keyboard contains an audible alarm horn with an adjustable volume control and an alarm relay consisting of a single set of Form C contacts.

D/3 control and display functions can be protected by limiting access to them. To access a protected function, the user must have either a master key to operate the key lock in the D/3 Keyboard or a password and a Console-Enabling Index, CEI. The master key bypasses both the passwords and CEIs to access all protected functions.

The D/3 USB Keyboard functions in parallel with a standard QWERTY keyboard. When connected and configured either keyboard may be used. Drivers and virtual communication port software for Windows 2000, XP, Vista, and Server 2003 are included on the D/3 Keyboard installation CD.

The D/3 Keyboard case is made of steel. The keypad is a one piece rubber overlay that is sealed to the case making the top impervious to dirt or liquid spills and easy to clean. The standard case has openings in the rear near the connectors; however, a wash down version of the keyboard is available by special order.

Power for the keyboard functions is provided from the USB connection. The universal 12 VDC power supply (included) is only required when the audible horn or Form C contacts are utilized.

Dedicated Keys

The D/3 USB Keyboard simplifies operator tasks by providing dedicated keys, grouped into a logical arrangement for operators, for selection and process control.

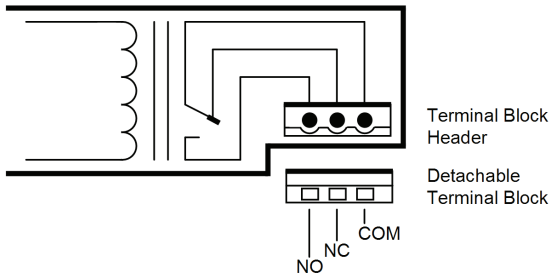
There are 16 quick-select keys which are used to select faceplates and parameters from various OCM displays. Six keys dedicated to alarms are used to acknowledge alarms, silence audible alarms, and review alarms. Ten display function keys perform general operations for viewing and editing of displays. Eight sequence logic keys are used for interacting with units, recipes, and messages. Five continuous control keys allow direct access for changing setpoints, outputs, and other functions. Finally, four keys provide functions for modifying parameters and four keys are used to ramp values.

See Operator Console User's Guide for additional information about the D/3 Keyboard functions.

Specifications

Form C Relay Contacts

Max. switching power	60W, 125VA
Max. switching voltage	220 VDC, 250 VAC
Max. switching current	2A DC or AC
Max. carrying current	2A DC or AC



Sonalert Audible Horn

Loudness	80dbA min.
Variable volume control in rear	

12 Volt Alarm Power Supply

(Required for Alarm Functions Only)

Input Voltage Range	100 - 240 VAC, 47-63 Hz., 0.4A
Output Voltage	12V at 1.25A max.

USB 1.0/2.0 Compatible

Data Exchange Rate	12 Mbps
Current draw	100 ma. max.
Supplied interface cable	3 meters
PC Connector	USB A Male
Keyboard Connector	USB B Male

CE Certification

Copy of certificate is available upon request.

Installation CD

Includes installation procedure and USB Drivers and Virtual COM Port Software for Windows 2000, XP, Vista, and Server 2003.

Compatibility

The D/3 USB Keyboard is compatible with all Windows OCMs supporting USB 1.0/2.0 connections.

Keys

Alphabetic Keys

*, Q, W, E, R, T, Y, U, I, O, P, &, DEL, @, A, S, D, F, G, H, J, K, L, /, #, SPACE, Z, X, C, V, B, N, M, %, \$, :, ", [,]

Numeric Keys

0, 1, 2, 3, 4, 5, 6, 7, 8, 9, ., -

Display Keys

OVERVIEW, FACEPLATE, SINGLE LOOP, SYSTEM STATUS, GRAPHICS, GROUP LIST, LOOP MAINT, CURR TREND, HIST TREND

Display Function Keys

CLEAR, SAVE, DISPLAY EDIT, COPY, GENERAL FUNCTION, PAGE, PREVIOUS, GRAPHIC ASSOCIATION (4), ASSOCIATED DISPLAY, WINDOW SELECT

Quick Select Keys

0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15

Alarm Keys

ALARM P1, ALARM P2, ALARM P3, SILENCE, ALARM ACK, LAST ALARM

Sequence Logic Keys

UNIT STATUS, UNIT VARS, RECIPE STATUS, PROGRAM STATUS, PROGRAM STEPS, MESSAGE ACK, LOAD RECIPE, QUERY HOLD

Digital Function Keys

CLOSE OFF (CMD 0), OPEN ON (CMD 1), CMD #, OVERRIDE, MID IDLE (CMD 2), CLEAR FAULT

Continuous Control Function Keys

AUTO/MAN, SETPOINT, CASC, OUTPUT, VALUE, Ramp Keys:

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Parameter Modification Keys

CANCEL, MODIFY, SELECT, ENTER



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