



D.I.A. Software for Rotobolt Opus 70 and Straightbolt Opus 50

1. FEATURES

1.1 Codes

- **One manager:** can open, changes his code, manage users, program time delay, audit users and lock.
- **Up to nine users:** can open and change their own codes.

Codes length fixed to six (6) digits. If number of installed users is higher than four (4), combination length is automatically set to seven (7) digits (VdS requirement)

New codes are rejected when less than 2 digits are different from existing codes.

1.2 Dallas i-button

A Dallas key can be associated to any user (or to manager as well) during user installation (function #1) or code changing (function #0) by simply reading the key after the code has been entered. User will then be identified by combination plus Dallas key. Multiple keys with the same ID can be programmed (through PC software) and can be supplied for special applications.

1.3 Time delay

Time delay programmable from 0 (no time delay) to 99 minutes. Open window from 1 to 19 minutes. During time delay enabled LED flashes at two seconds intervals. Open window is indicated by LED then buzzer at 1 seconds intervals alternately (once LED, once beep).

1.4 Battery low warning

If battery low (< 6V) during motor activation, multiple beeps.

1.5 Time penalty

When entering code, a time penalty of 5 minutes will be started after the 4th consecutive wrong code entered. During time penalty, LED flashes at 10s interval, no access possible to lock. Any key pressed during time penalty emits a long beep. After time penalty, two consecutive wrong codes will start it again.

1.6 Audit features

Users' current status can be audited through the keypad with function #7

A « basic audit » file (last 100 openings, no time & date) is recorded on the standard lock board

An « extended audit » file (last 500 operations w/time&date) can be implemented on a « satellite » board to be connected to the alarm/battery additional connector on lock standard board

1.7 Lock configuration

Lock configuration is done by manager through the keypad before setup mode is ended (manager changes his combination):

Users Installation: only installed users will be available after configuration is frozen.

Blocked: user not available

Installed: user available, no default combination is assigned to the user during setup mode

Dual combo: two combos required to access/open (default OFF)



1.8 Auto-detected features

Combination length depends on the number of installed users.

TD override user #9 – When TD active, user #9 always override TD in “dual mode”

Alarm features – If alarm board is detected, silent alarm (+1 on combination last digit will trigger an alarm output signal) and disable input features are active

Extended audit – If “extended audit” board is detected, last 500 events w/time&date will be stored into the “satellite” board memory.

Extended I/O – If “extended I/O” board is detected, the following input/output signal are available

- Silent alarm – output is triggered for 0,5 sec
- Disable input – when input is “high” lock cannot be opened
- Time Delay remote override – when input is “high”, time delay is by-passed
- Lock bolt status – signal is close when lock bolt is close and it opens when lock bolt is open
- Time Delay counting start - output is triggered for 0,5 sec when time delay starts counting
- Open Window counting start - output is triggered for 0,5 sec when open window starts counting
- Low battery - output is triggered for 0,5 sec when opening with low battery
- Penalty - output is triggered for 0,5 sec when penalty time starts

2 GENERAL PROCEDURES

2.1 To enter manager or user code

Enter code. Double beep if valid, long beep if wrong code.

If a Dallas key is associated to the user (or to the manager) code, plug the key into the key reader slot after the code has been entered. Double beep if valid, long beep if error.

2.2 To enter special function (manager or user)

Hold down function number until double beep. Enter manager or user code. Double beep if valid, long beep if not.

If a Dallas key is associated to the user (or to the manager) code, plug the key into the key reader slot after the code has been entered. Double beep if valid, long beep if error.

2.3 To open (Standard mode)

Enter code.

If time delay enabled, LED flashes at two seconds intervals. Open window is indicated by LED flashing at 2 seconds intervals and beep at 2s intervals alternatively (once beep and once LED). Wait open window.

Enter combo again.

Motor is activated.

2.4 To open (Dual combo mode)

Enter first combo.

Enter second combo.

If time delay feature is installed, first combo will start time delay. During open window, enter both combos to open.

Motor is activated.

2.5 To open (Override mode – user #9)

Enter first combo. Time delay will start counting

Enter user #9 combo and/or key to open

Motor is activated.

3 SPECIAL FUNCTIONS

3.1 To change code (special function #0)

Enter special function #0.

Enter actual code. Enter new code. Double beep is allowed, long beep if not valid. If allowed, enter new code again to confirm. Double beep if correct, long beep if confirmation error.

- You can associate a Dallas key to the user (or to the manager) code when changing code

3.2 To install user (Setup) (special function #1)

Enter special function #1.

Enter user ID's (1 - 9) you want to install. Double beep at each user ID entered. No default combination is assigned to the user. User is not active ("deleted")

Enter "0" to end the procedure

Notes:

During setup mode only.

If more than 4 users are installed, combination length is automatically set to 7-digits

3.3 To activate user (special function #1)

Enter special function #1.

Enter user ID (1 - 9). Long beep if user is already active or not available ("blocked"), aborting function. Double beep if user is not active ("deleted").

Enter new user code. Double beep if correct, long beep if code error, aborting function. Enter again code to confirm. Double beep if correct, long beep if confirmation error.

Notes:

Manager only.

You can associate a Dallas key to the user code during this procedure

If manager is the only installed code or dual mode is active and only one user is installed, this function is not available

If only one user is installed (all other users are "blocked"), it is not necessary to enter user ID

Manager can activate user #9 only if no time delay or during open window.

If dual combo mode enabled, manager combo has to be entered after a user valid combo

3.4 To disable/enable users (bulk) (special function #2)

Enter special function #2.

Double beep: active users are disabled and disabled users are enabled "activated")

Notes:

Manager only.

This function is available only if more than one user is installed and dual mode is not active

3.5 To un-install user (Setup) (special function #3)

Enter special function #3.

Enter user ID's (1 - 9) you want to un-install. Double beep at each user ID entered.

Enter "0" to end the procedure

Notes:

- During setup mode only.
- If number of users left is 4 or less, combination length is automatically set to 6-digits

3.6 To delete user (special function #3)

Enter special function #3.

Enter user ID (1 - 9). Double beep if user was active, user is now "deleted". Long beep if already "deleted" or not available ("blocked"), aborting function.

Notes:

- Manager only.

- If manager is the only installed code or dual mode is active and only one user is installed, this function is not available
- If only one user is installed (all other users are “blocked”), it is not necessary to enter user ID
- If dual combo mode enabled, manager combo has to be entered after a user valid combo

3.7 Test keypad (special function #5)

Enter special function #5.

Enter each key once, starting with key ‘1’, then ‘2’, ‘3’, ‘4’, ... ‘8’, ‘9’, ‘0’. Each key is acknowledged with a double beep. If a key is not recognized, a long beep is emitted after bad key pressed and function is aborted.

3.8 Lock audit function (special function #7)

Enter special function #7.

Plug and hold a Dallas audit i-button into the keypad slot to download the audit file from the lock (or from the “extended audit” board). When download is completed, LED power-off.

If you don’t want to download audit file, by pressing user ID key you get user status: double beep = active, triple beep = deleted, long beep = does not exist (“blocked”)

Enter ‘0’ to exit function.

Notes:

Manager only. This function is available only if more than one user is installed

3.9 To set dual combo mode (Setup) (special function #8)

Enter special function #8.

Enter ‘1’ to activate dual mode. Enter ‘0’ to de-activate dual mode (default). Double beep.

Note:

During setup mode only.

Manager cannot activate dual combo mode if no user installed.

3.10 Set time delay parameters (special function #9)

Enter special function #9.

Enter time delay value (from 00 to 99 minutes, 2 digits, 00 disables time delay) and open window (from 01 to 19 minutes, 2 digits). Double beep. Enter values again to confirm. Double beep if correct, long beep if confirmation error.

Notes:

Manager only.

If manager is the only installed code, this function is not available

If manager changes values during time delay, the time delay value may only be increased. Smaller values will be ignored.

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