

WIRING

The 1Touch has one 6-pin Deutsch connector.

Mating connector:	Deutsch DT06-6S
Mating sockets:	Deutsch 0462-201-16141
Gold mating sockets:	Deutsch 0462-201-1631 (* for CAN connections)
Recommended wire gage:	16-20 AWG
Wedge lock:	W6S

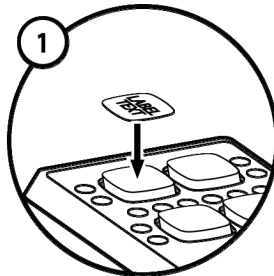
PIN	CIRCUIT	DESCRIPTION
1	SYS POWER	(INPUT) – battery voltage (+9VDC...+32VDC)
2	SYS GROUND	(INPUT) – battery ground
3	DIM INPUT	(INPUT) – Configurable, analog or digital (ground to battery voltage)
4	CAN HIGH	(DATA) – SAE J1939 CAN 2.0B, 250Kbits/s *
5	CAN LOW	(DATA) – SAE J1939 CAN 2.0B, 250Kbits/s *
6	CAN SHIELD	(DATA) – SAE J1939 CAN 2.0B, 250Kbits/s *

SWITCH CAP INSTALLATION

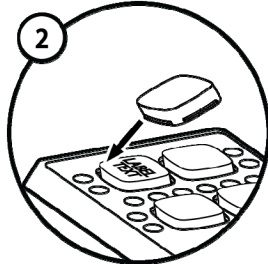
The 1Touch switch caps and labels are easily installed with no special tools required.

The switch labels must be custom created. Consult the full manual for detailed information about the label.

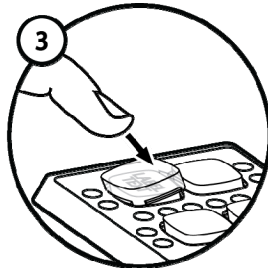
- Adhere the switch label to the rubber switch pad. Take special care to place the label with proper orientation.



- Place one corner of the switch cap into the corner of the switch opening.



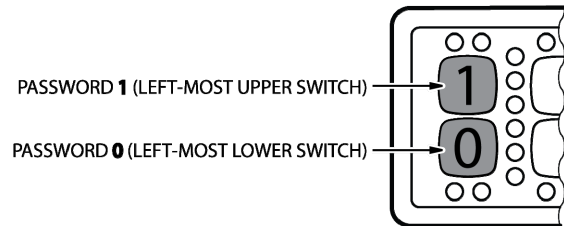
- Press the switch cap's other corner firmly into place using finger pressure.



ENABLING PASSWORDS

If more than **60** seconds has elapsed since the 1Touch switch was powered you must enter the **ENABLE** password: **1101 1011**.

The panel's switch backlighting will blink once to indicate the password has been accepted. Standard password entry is now enabled for the next **60** seconds.



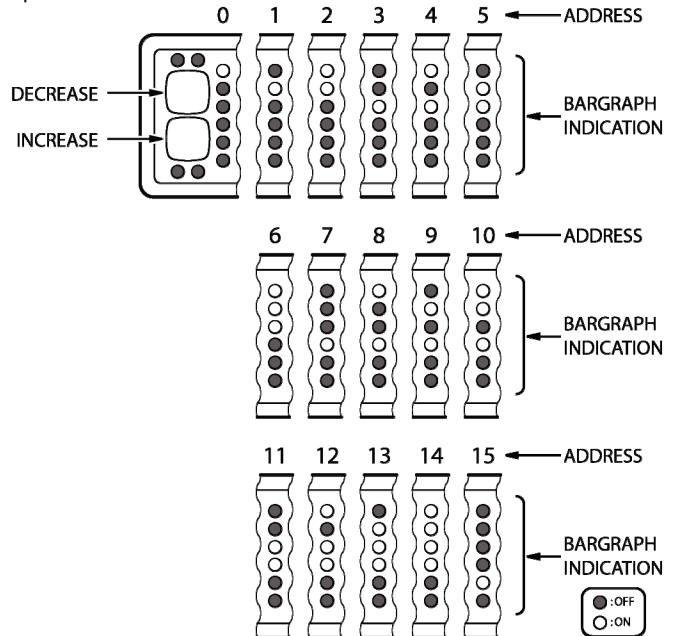
ADDRESSING

The 1Touch switch's address may be set by entering the following password: **1001 0010**.

Switches 0 and 1 are now lit and all other switches are OFF. The red LED bar graph indicates the current address (see graphic below).

Press switch 1 to **decrease** the address value. Press switch 0 to **increase** the address value.

Press any other switch to save the address and resume normal operation.



LOADING DEFAULTS

To load the 1Touch's defaults, enter the password: **1001 1001**.

This sets all of the switch types to bi-stable, address to 0, device type set to 5, initial power states to OFF, LED indicator controlled internally, and network mode set to ES-Key.

DEVICE TYPE CONFIGURATION

The 1Touch switch is normally a device type 5 (SPS) but may be configured as a device type 4 (Input Output Module).

Device type 4 password: **0111 0100**

Device type 5 password: **0111 0101**

INITIAL POWER ON STATES CONFIGURATION

The 1Touch switch's Initial Power ON States may be set by entering a password: **1001 0000**.

All of the switch backlighting and indicator LEDs begin flashing. Each switch's associated green indicator LED shows the configured initial power ON state.

Press the switches to toggle the desired initial power ON state.

When the "initial power ON states" is set as desired let the panel time out (15 seconds) – the bar graph (red LEDs) shows the countdown. The panel will save the configuration and resume normal operation.

LED INDICATOR CONTROL SOURCE

The 1Touch switch can be configured for **Internal** or **ES-Key** control of the switch's LED indicators (green and yellow LEDs).

Internal control (default)

The state of the switch controls the associated green LED indicator.

ES-Key control

The 1Touch switch panel's output memory space controls the state of the green and yellow LED indicators.

To configure the switch panel's LED indicator control method, enter the password: **1001 0011**.

Switch 0's back lighting is ON and all other backlighting is OFF. The indicators LEDs show the state of indicator control.

Green LEDs ON = **Internal control method**.

Green AND yellow LEDs ON = **ES-Key control method**.

Press switch 0 to toggle between the indicator control methods.

Press any other switch to save and resume normal operation.

MASTER SWITCH CONFIGURATION

The 1Touch switch can utilize one master switch. The state of the master switch controls the functionality of all the other switches. When the master switch is OFF all other switches will be OFF and not illuminated.

To configure a master switch enter the password: **1001 0001**.

All backlighting is now flashing and the bargraph LEDs are counting down.

Allow the bargraph LEDs to fully countdown (15 seconds) without pressing a button to remove master switch.

Press any switch to configure the associated switch bank as a master switch. A master switch may be configured as a toggle (top = ON) or toggle (bottom = ON) switch type.

Press any other switch to save the master switch configuration and resume normal operation.

SWITCH TYPES

The 1Touch switches can be set to one of seven different types: no function, momentary, bi-stable, toggle (top = ON), toggle (bottom = ON), toggle (exclusive), and dimmer.

Three of the switch types (no function, momentary, and bi-stable) are individual switch types. The remaining four switch types are paired switch types.

Enter the password for the switch bank to configure.

Switch bank 0: **1000 0000**

Switch bank 1: **1000 0001**

Switch bank 2: **1000 0010**

Switch bank 3: **1000 0011**

Switch bank 4: **1000 0100**

Switch bank 5: **1000 0101**

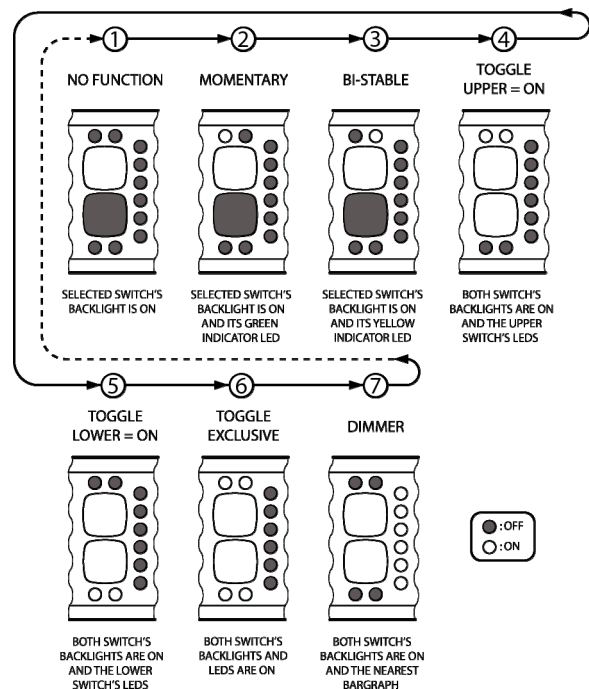
Switch bank 6: **1000 0110**

Switch bank 7: **1000 0111**

The switch bank's back lighting is now lit and all other lighting is OFF. Press the switch (top or bottom) of the switch bank to configure. The switch bank's backlighting and indicator LEDs (green and yellow) show the selected switch's current switch type.

Press the selected switch again to increment to the next switch type. The other switch in the switch bank may be pressed to change its switch type also.

The graphic below shows the upper switch lit for the individual switch types. The switch which has been selected will be lit when showing the individual switch types – for example, if the bottom button is being pressed then the bottom button's backlighting will be lit and vice-versa.



Press any other switch to save the current switch bank configuration and resume normal operation.

For detailed operation and troubleshooting consult the full manual (p/n 121677).

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1Touch® switch Quick Manual

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