KEYLINK

Art. No. 3498

KEYLINK is a handheld keypad for use in remote control applications such as conference rooms. It features eight illuminated keys and eight screw connector terminals. External switches may be connected to these terminals for sensing input such as a door opening. These terminals can also be used as low-level outputs for activating external power relays. The internal keys are connected in parallell with the screw terminal connections.

KEYLINK fits into the Dataton control system via SMARTPAX QC. Four KEYLINK units may be daisy-chained to a single SMARTPAX QC port using the connection cables shipped with each KEYLINK unit.

USAGE

KEYLINK is a versatile eight channel digital IN/OUT unit which can be used as a handheld keypad transferring key closures from its built-in keys to the Dataton control system. Alternatively, external switches may be used, connected in parallel with the internal keys. Such switches are connected via the 10-pole screw terminal, where two poles are reserved for the common connections (ground) and the remaining eight (labeled 1–8) for the corresponding keys.

The screw terminal label.

The screw terminal channels also double as digital outputs. When "ON", these outputs make a low impedance connection with the common poles. When "OFF", they are pulled to an internal 12V DC source via 1..5 KΩ resistors.

The screw terminal jack.

The screw terminal poles may be turned to "ON" as a result of key pressure on the KEYLINK unit itself or as a result of a programmed action from Dataton TRAX. In both cases, the corresponding key's LED is lit.

KEYLINK is used with the SMARTPAX QC control unit in the Dataton system. To connect KEYLINK to a SMARTPAX QC, use the enclosed cable, 3443 SMARTBRANCH FIRST CABLE. The snaplock connector plugs into a SMARTPAX QC port and the modular connector goes to the IN port on the KEYLINK. To identify the KEYLINK unit's IN port, look for the single green diode at the base of the unit. The IN port is the one placed closest to this green LED.

KEYLINK hook-up

CONNECT MORE UNITS

To connect additional units on the same SMARTPAX port, use the enclosed modular to modular cable, 3444 SMARTBRANCH LINK CABLE. This should go from the OUT port of the first KEYLINK to the IN connector on the second unit. In this way, you can run up to four KEYLINK units from one SMARTPAX port.

You may mix POWERLINK and KEYLINK units on the same SMARTPAX port. The remaining ports may be used to control more POWERLINK or KEYLINK units, or unrelated media devices as required.

PROGRAMMING

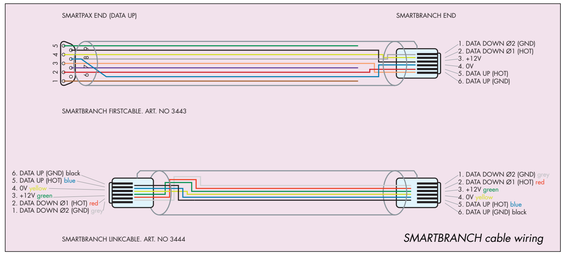
KEYLINK functions are accessed and programmed from Dataton TRAX control software, version 3.6.1 or later. This software is available free of charge from Dataton's website: www.dataton.com

To program KEYLINK, create a Switch device in TRAX and select Dataton KEYLINK on the Type pop-up menu. The subaddress corresponds to the key/terminal number on the unit. Set the Function as appropriate: Input for input function only, ie, the button on the unit, or an externally connected input; Output for output function only, ie, button illumination or other externally connected function; or Both.

If you are running multiple KEYLINK units on the same SMARTPAX QC port, use subsequent subaddresses for the additional inputs and outputs. For example, use subaddress 9 for the first input/output on the second KEYLINK, and so on.

To program the button LEDs/outputs, use a Trigger cue set to On, Off, Pulse or Toggle and assigned to the switch device(s) to be controlled.

For detailed programming advice, always refer to the information database inside Dataton TRAX.



SMARTBRANCH cable wiring

Technical Description

Use with Dataton TRAX, version 3.6.1 or later, and Dataton SMARTPAX QC. Up to four KEYLINK units can be daisy-chained off one SMARTPAX QC port. POWERLINK and KEYLINK units can be freely mixed on one port.

KEYLINK has eight buttons with built-in light emitting diodes for feedback.

External buttons or other inputs/outputs can be connected through a detachable screw-terminal strip. Each I/O pin has an internal pull-up resistor of 1.5 kΩ to 12 V DC. To activate an input from the outside, close the I/O pin to ground (pin "C").

As a side effect, this turns on the LED in the corresponding key.

Each one of the internal keys is wired between the corresponding I/O pin and ground. Pressing one of the keys will, as a side effect, pull the corresponding I/O pins to ground.

When activating an output switch through programming, the button LED will light up and the corresponding I/O pin will be pulled to ground.

The output switch is a solid state switch with a resistance of approximately 0.5 Ω. As the input and output functions share the same pin, it is not possible to sense an input signal through the terminal strip if the key is pressed, or vice versa.

IMPORTANT: The I/O circuits are for DC voltage only. Do not connect any of the I/O pins to a negative voltage in respect to the common pin marked "C". Connecting an I/O pin to a low-impedance voltage source higher than +50V or lower than –0.5V may permanently damage the KEYLINK.

KEYLINK, article number 3498
Size: 105×46×25mm (4.1"×1.8"×1.0")
Weight: 115g
Shipped with cables 3443 and 3444