

Conway Delta Keyboard

The Delta keyboard is primarily used to control the video matrix and receivers connected to the RS485 network. It can also be used in conjunction with the Conway up the coax RF matrix when required.

Version

The keyboard comes as either a master or slave version, the visible difference between the two is the lack of program keys on the slave keyboard (as shown on inset pic).

Control

The lens speed can be changed at the touch of a button, allowing a more controlled situation when focusing on a subject on a fully zoomed lens.

Privacy

Privacy zones can be very quickly set using the keyboard enabling private areas where the screen will be blacked out if the pan & tilt crosses over the electronic barriers. All text will still be displayed with an added caption to indicate to the operator that the privacy zone has been entered.

Main image: Delta Keyboard. Inset: Delta Slave Keyboard. (Not shown to scale)

Button control

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Alarms

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Matrix control

PC interface

Multi-speed

lens control

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Status LEDs



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Communications

The communication between keyboards (4 maximum recommended), is via an RS485 network. Communications to the matrix are via the same network. The RS485 matrix has three buffered RS485 outputs to link up with all the receivers on their networks, max 200 receivers.

Program mode

The programming mode of the keyboard is protected via a key-switch mounted on the rear panel alongside the RS485 and RS232 ports.

Functions performed within program mode

Pre-sets

80 per camera can be programmed

Privacy zones

Privacy zones can be set 2 per receiver fitted with text option.

Date and time

To be displayed for each receiver fitted with text.

Loop Learn

Upon initial connection of the keyboard to a network, the keyboard is asked to perform a loop learn whereby all devices, connected and powered up, are interrogated and recorded in the keyboard memory. Once the devices are recorded by the keyboard, they will be regularly polled to ensure system integrity. If one device does not respond correctly then a warning LED is lit on the keyboard to indicate communications failure.

Loop through mode

The keyboard can be turned into a gateway to the system via its RS232 port for use with PC based systems requiring such access.

The Conway Editor1© program or Sigma for Windows™ is used in this mode to set up the following features:-



Rear panel of keyboard showing program switch, power jack and 2 RS485 / RS232 Ports.
Power input 12V dc, 300 mA

Camera identification

A name can be displayed on to the video signal from each camera, 20 characters long.

Pre-set text

A caption of 20 characters is attached to each pre-set. A default is programmed into the micro i.e. "Position 1" etc.

Zone text

A caption of 20 characters can be given to each zone, default is "zone 1" etc.

Tours

The receivers can be programmed to carry out up to 40 Tours which each consist of up to 30 positions. The dwell time at each position is variable.

Soft stop

The settings for the soft stop feature are set up in this mode. This feature slows down the lens motors just before reaching a pre-set position within a tour, or in response to an alarm activation, reducing wear by avoiding sudden stops.

Alarms

Each alarm is assigned a tag number, pre-set positions and tours are allocated to a tag and actions to be performed by the matrix are also given tags. When an alarm is activated the tag signal is broadcast around the communications loops. The receivers and matrices will read the tag and perform the task which has been programmed. The receivers can be told to initiate a tour

or go to a pre-set position, and the matrix can be told to display cameras on to specified monitors.

Privileges

All keyboards come complete with all privileges enabled, allowing quick installation and easy set-up. Certain features or options can be disabled as required. The programmable features are as follows:

- 1 Access to cameras can be limited preventing the operator from selecting certain cameras or groups of cameras.
- 2 Telemetry control can be limited, to prevent operators from moving certain chosen cameras.
- 3 The switching of cameras on to monitors can be configured.

Monitor sequences

The monitor outputs of the matrix are programmed to sequence through the cameras in a certain order and dwell time for each picture.

There are many more programming features available within the Editor1© program or Sigma for Windows™.



Due to a policy of continual improvement, specifications may be subject to change.