

Conway Alpha Keyboard

The Alpha keyboard is small, compact and robust in construction. It is primarily used to control the up the coax RF video matrix and receivers fitted with the RF module.

Control

Operation of the system is carried out via the LED internally lit buttons. Many of the functions seen on the more sophisticated Omega and Delta systems can be found here on the Alpha system. The lens speed can be changed at a touch of a button, allowing more control when focusing on a subject with a fully zoomed lens.

Conway Alpha Keyboard



Button control

Alarms

Privilege levels

Matrix control

PC interface

*Multi-speed
lens control*

Wash

Wipe

Auxiliary

Lamps

Time and date

*Alarm reaction
modes*

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 matrix then controls the receivers via the up the coax method.

Program mode

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

Functions performed within program mode

Loop Learn

Upon initial connection of the keyboard to a network, the keyboard performs 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 title

A 20 character name can be displayed on the screen for each camera

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 matrix can be told to display particular cameras on to certain 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.