DCTEL
MATRIX AND TELEMETRY CONTROL KEYBOARD

MAIN FEATURES

Suitable for SM82A, SM164B matrix and telemetry receivers

Control of video switching, sequences and alarm reset

Telemetry control through matrix or directly by RS485 dedicated serial output

Normally fed by SM82A, SM164B matrix

2 outputs for RS485 serial communication (1 for matrix control, 1 for telemetry indepentent control)

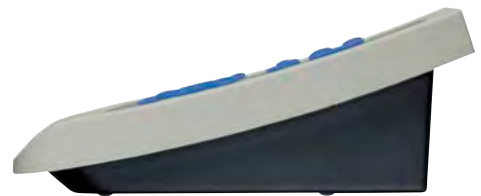Both PELCO D and ENEO Protocols are supported

DESCRIPTION

The microprocessor controlled DCTEL keyboard allows you to interface and control the video switching of SM82A and SM164B.

The operator can manage the following control functions: video switching, sequences and alarm reset, to matrix set-up through On Screen Display. The DCTEL can control up to 16 digital telemetry receivers and the preset and scan functions with the DTRX3 receiver. Two serial RS485 communication lines: one for the video matrix, one for the management of the telemetry.

The telemetry control can also be performed indirectly through the matrix or over the matrix RS485 dedicated serial output: autopan, preset, scan, zoom, focus, iris and Aux.

The DCTEL can be fed by the supplied external power supply or directly by the matrix up to 700m (2297ft).

TECHNICAL DATA

GENERAL

Control of max 16 cameras and 16 telemetry receivers

P&T control, autopan, preset, scan, zoom, focus, iris, Aux

Max. 8 preset positions for each P&T

Alarm reset

Equipped with wide range power supply, 3 power cables, 4 RJ11 telephone cables, 4 RJ11 jack junction boxes

MECHANICAL

Thermo-resistant and shock proof ABS material

22 rubber keys

Dimensions: 80x190x205mm (3.4x7.5x8in)

2 connectors RJ11

Power supply jack-connector

Configuration dip-switch

4 LEDs indicating the active monitor

8 LEDs indicating the active camera

2 LEDs indicating the active camera group (cameras 1 to 8 or cameras 9 to 16)

Power supply LED

Unit weight: 0.6kg (1.3lb)

ELECTRICAL

• IN 100-240Vac - OUT 12Vdc, 47/63Hz, 1A

It can be fed directly by SM82A and SM164B matrix to a max distance of 700m (2297ft)
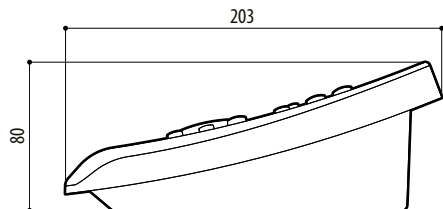
PROTOCOLS

Video Line

• VIDEOTEC (1200, 9600, 19200, 38400 baudrate)

• VIDEOTEC MACRO (1200, 9600, 19200, 38400 baudrate)

Telemetry Line

• ENEO (1200, 9600, 19200, 38400 baudrate)

• PELCO D (2400 baudrate)

• VIDEOTEC (1200, 9600, 19200, 38400 baudrate)

VIDEOTEC MACRO (1200, 9600, 19200, 38400 baudrate)

PELCO, ENEO are registered trademarks.

COMMUNICATIONS

2 RS485 lines for communication:

• 1 line for communication with matrix to a maximum of 1200m (3937ft)

• 1 line for telemetry control up to 16 receivers

Selection of communication

ENVIRONMENT

Indoor

Operating temperature: 0°C / +40°C (+32°F / +104°F)

CERTIFICATIONS

CE: EN61000-6-3, EN60950-1, EN55022 Class B, EN50130-4

FCC Part 15, Class B

RELATED PRODUCTS

SM82A	Video matrix 8 inputs and 2 outputs
SM164B	Video matrix 16 inputs and 4 outputs
DTMRX224	DTMRX224 Telemetry receiver 12 functions, 24Vac
DTMRX2	DTMRX Telemetry receiver 12 functions, 230Vac
DTRX324	DTRX324 Telemetry receiver 17 functions for PTH311 + preset
DTRX3	DTRX3 Telemetry receiver 17 functions for series PTH300 + preset
DTCOAX	Over the coax board (only thru SM series matrix)
DTRXDC	Telemetry data receiver, 13 functions

PACKAGE

Model Number	Weight	Dimensions (WxHxL)	Master carton
DCTEL	1.9kg (4.2lb)	31x17.5x26.5cm (12x7x10in)	5

Sizes in millimeters.

203

80

VIDEO SWITCHING KEYS

TELEMETRY MANAGEMENT KEYS

190