

DTMRX2

TELEMETRY DATA RECEIVER, WITH 12 FUNCTIONS



DESCRIPTION

The DTMRX2 is a digital receiver, controlled by a microprocessor, for remote control of a Pan & Tilt motor and a motor-driven zoom lens.

The DCJ, DCTEL and SM matrix series control units ensure complete control of all the DTMRX2 functions. It is also interfaced to a PC through RS232. Connection to the control unit can be RS232 or RS485.

An IP56 weatherproof box ensures protection against all weather conditions.

It is available in 24Vac or 230Vac versions for Pan & Tilt motors, and allows feeding common ground or polarity inversion zoom lenses.

A relay auxiliary function is available for controlling, for instance, the switching on of an IR illuminator through a power contact or the control of the wiper.

Four PG11 cable glands make connections easier.

MAIN FEATURES

11 standard functions for the control of P&T motors and zoom lenses, 1 function for the control of one auxiliary service (dry contact)

Selectable communication: RS-232 and RS-485

Aux can be used for wiper operation

Compatible with protocol PELCO D

Version 24Vac (DTMRX224)

RS232, RS485 repeater for daisy chain configuration

Operating temperature: from -20°C (-4°F) up to +50°C (122°F)

TECHNICAL DATA

GENERAL

12 Functions: UP, DOWN, LEFT, RIGHT, AUTO, ZOOM TELE, ZOOM WIDE, FOCUS NEAR, FOCUS FAR, IRIS OPEN, IRIS CLOSE, AUX

99 identification addresses, selectable by dip switches

Selectable communication: RS-232 and RS-485

Repeater RS232 or RS485 for daisy chain configuration

Ability of using both polarity inversion lenses and common wire lenses

EEPROM for storing activated functions

LED indicating power supplied to the unit

LED indicating command reception

LED indicating data reception

Supplied with instruction manual, 2 PG11 blanking caps, 4 wall mounts with relevant fastening screws

MECHANICAL

Plastic material enclosure

4 PG11 cable glands

Dimensions: 225x154x81mm (9x6x3in)

Unit weight: 1kg (2.2lb)

ELECTRICAL

DTMRX2

Supply voltage: 230Vac, 50/60Hz

Consumption: 10W

Maximum switching power: 100W

Power supplied to the positioning device: 230Vac, 50/60Hz

Power supplied to the lens: from 3Vdc to 14Vdc, 100 mA max

AUX: auxiliary dry contact 1A 230Vac or 1A 24Vac

Fuse: F1: F 250mA L 250V

DTMRX224

Supply voltage: 24Vac, 50/60Hz

Consumption: 10W

Maximum switching power: 100W

Power supplied to the positioning device: 24Vac, 50/60Hz

Power supplied to the lens: from 3Vdc to 14Vdc, 100 mA max

AUX: auxiliary dry contact 1A 24V or 1A 230Vac

Fuse: F1: F 2.5A L 250V

SERIAL COMMUNICATIONS

Selectable communication speed

Repeater RS232 or RS485 for daisy chain configuration

Telemetry data input RS485 on Matrix Series SM serial output for a max distance of 1200m (3937ft)

Telemetry data input RS485 on keyboard serial output, max distance of 1200m (3937ft)

Telemetry data input RS232 for PC or keyboard control for a max distance of 15m (49ft)

PELCO D (2400 baud)

VIDEOTECH (1200, 9600, 19200, 38400 baud)

VIDEOTECH MACRO (1200, 9600, 19200, 38400 baud)

PELCO is registered trademark.

The product may be interfaced with devices not manufactured by VIDEOTECH. It is possible that the interface protocols have changed or are in a different configuration from earlier tested units by VIDEOTECH. VIDEOTECH recommends a test prior to installation. VIDEOTECH will not be liable for any installation costs or lost revenues in the event a compatibility problem will occur.

ENVIRONMENT

For indoors and outdoors installation

Operating temperature: from -20°C (-4°F) up to +50°C (122°F)

Relative humidity: from 5% up to 95%

CERTIFICATIONS

Electrical safety (CE): EN60065

Electromagnetic compatibility (CE): EN50130-4, EN55022 (Class B), FCC Part 15 (Class B)

IP protection degree: EN60529 (IP56)

EAC certification

RELATED PRODUCTS

| | |
|-----------|--|
| SM82A | Video matrix 8 inputs and 2 outputs |
| SM164B | Video matrix 16 inputs and 4 outputs |
| SM328B | Matrix 32 inputs and 8 outputs |
| DCTEL | Matrix and telemetry control keyboard |
| DCJ | Keyboard for video and telemetry control |
| PTH310 | Pan&Tilt, 230Vac |
| NXPPTH210 | Stainless steel Pan&Tilt, 230Vac |
| PTH311 | Pan&Tilt, 24Vac |
| NXPPTH211 | Stainless steel Pan&Tilt,, 24Vac |

Retrofit on discontinued products: contact VIDEOTECH for further specifications.

PACKAGE

| Model Number | Weight | Dimensions (WxHxL) | Master carton |
|--------------|---------------|------------------------|---------------|
| DTMRX2 | 1.2kg (2.6lb) | 9.5x18x29cm (4x7x11in) | 20 |

TECHNICAL DRAWINGS

The indicated measurements are expressed in millimetres.

