

DTRX3

TELEMETRY DATA RECEIVER, WITH 17 FUNCTIONS



DESCRIPTION

The DTRX3 is a digital receiver, controlled by a microprocessor, for remote control of a Pan & Tilt motor, motor-driven zoom lens, wiper, washer and 4 auxiliary contacts.

Connection to the control unit can be RS232 or RS485. This digital receiver can be controlled by DCJ and DCTEL keyboards or by PC via RS232 serial connection.

6 PG11 cable glands make connections easier. By means of a switch, it is possible to select the Pan & Tilt voltage (230Vac or 24Vac) for the model DTRX3.

MAIN FEATURES

11 standard functions for the control of P & T motors and zoom lenses, 6 functions for auxiliary services (2 x dry contacts, 1 x 12Vdc, 1x 24Vac, wiper and washer)

Maintenance of configuration even in case of power loss

Selectable communication: RS-232 and RS-485

Selection of the P&T motor power supply (24Vac or 230Vac) and camera (12Vdc or 24Vac)

Up to 40 presets

4 alarm inputs, (preset in case of alarm)

Compatible with protocol PELCO D

Also available in 24Vac (DTRX324)

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

TECHNICAL DATA

GENERAL

17 Functions: UP, DOWN, LEFT, RIGHT, AUTO, WASHER, WIPER, ZOOM TELE, ZOOM WIDE, FOCUS NEAR, FOCUS FAR, IRIS OPEN, IRIS CLOSE, AUX1, AUX2, AUX3, AUX4
999 selectable addresses through Dip Switches
Serial communication selectable: RS232 / RS485
Repeater RS232 or RS485 for daisy chain configuration
Ability of using both polarity inversion lenses and common wire lenses
LED indicating power supplied to the unit
LED indicating active function
EEPROM for the storage of active options
16 bit microcontroller with re-programmable Flash memory
PRESET / SCAN / PATROL functions with an automatic recognition of the existing functions
Self-test installation procedure
Ability to memorize up to 40 PRESET functions (P&T motor and lens)
4 alarm contacts set as N.O. or N.C.
Supplied with 2 PG11 blanking caps, 4 wall mounts with relevant fastening screws

MECHANICAL

Plastic material enclosure
6 PG11 cable glands
External dimensions: 337x237x128mm (15x9x5in)
Unit weight: 2.5kg (5.5lb)

ELECTRICAL

DTRX3

Supply voltage: 230Vac, 50/60Hz
Consumption: 60W
Switching power: 100W max
Power supplied to the positioning device: 24Vac/230Vac, 50/60Hz
Power supplied to the wiper: 24Vac/230Vac, 50/60Hz
Power supplied to the washer: 230Vac, 50/60Hz
Camera power supply: 12Vdc, max 350mA (AUX1) and 24Vac, max 180mA (AUX2)
Power supplied to the lens: from 3Vdc to 12Vdc (max 100mA)
2 dry contacts: 1A 230Vac, 1A 24Vac (AUX3, AUX4)
Fuses: 1 A F 250V, 2.5 A F 250V

DTRX324

Supply voltage: 24vac, 50/60Hz
Consumption: 40W
Switching power: 100W max
Power supplied to the positioning device: 24Vac, 50/60Hz
Power supplied to the wiper: 24Vac, 50/60Hz
Power supplied to the washer: 24Vac, 50/60Hz
Camera power supply: 12Vdc, max 350mA (AUX1) and 24Vac, max 180mA (AUX2)
Power supplied to the lens: from 3Vdc to 12Vdc (max 100mA)
2 dry contacts: 1A 230Vac, 1A 24Vac (AUX3, AUX4)
Fuses: F5: 6.3 A F 250V

SERIAL COMMUNICATIONS

Selectable communication speed
Repeater RS232 or RS485 for daisy chain configuration
Telemetry data input on coax cable RG59 or equivalent with DTCOAX optional board for a max distance 350m (1148ft) from Matrix Series SM
Telemetry data input RS485 on Matrix Series SM serial output for a max distance of 1200m (3937ft)
Telemetry data input RS485 on keyboards serial output for a max distance of 1200m (3937ft)
Telemetry data input RS232 for PC or keyboard control for a max distance of 15m (49ft)
Protocols:

- VIDEOTEC (300, 1200, 9600, 19200 baud)
- PELCO D (2400, 4800, 9600, 19200 baud)
- VIDEOTEC MACRO (1200, 9600, 19200, 38400 baud)

PELCO is registered trademark.

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

ENVIRONMENT

For installation indoors and outdoors
Operating temperature: from -20°C (-4°F) up to +50°C (122°F)

CERTIFICATIONS

Electrical safety (CE): EN60065
Electromagnetic compatibility (CE): EN50130-4, EN55022 (Class B), EN61000-6-3
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
PTH310P	Pan&Tilt with preset, 230Vac
NXPPTH210	Stainless steel Pan&Tilt, 230Vac
PTH311P	Pan&Tilt with preset, 24Vac
NXPPTH211	Stainless steel Pan&Tilt,, 24Vac

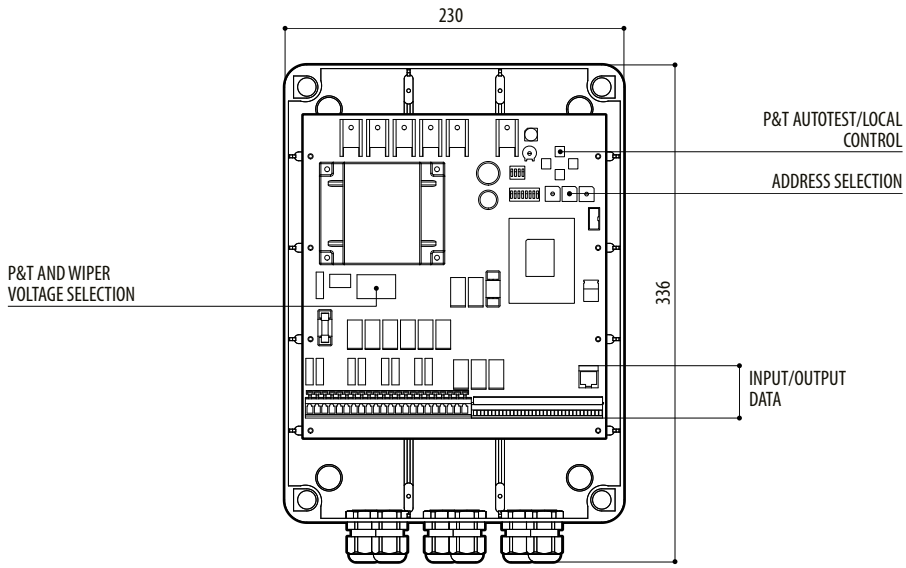
Retrofit on discontinued products: contact VIDEOTEC for further specifications.

PACKAGE

Model Number	Weight	Dimensions (WxHxL)	Master carton
DTRX3	2.5kg (5.5lb)	34.5x24x15.5cm (13.6x9.4x6.1in)	5

TECHNICAL DRAWINGS

The dimensions of the drawings are in millimetres.



DTRX3