EXDTRX
TELEMETRY RECEIVER FOR EXPTC AND EXPTD EXPLOSION-PROOF PAN & TILT

FEATURES
17 functions, preset, glass protection device and alarm feature included
IP66
230Vac or 24Vac power supply
EXDTRX3 feeds the Pan & Tilt heater
4 holes for cable glands 3/4" NPT
Maintenance of configuration even in case of power loss
Up to 40 preset positions (MACRO protocol)
4 alarm inputs (prepositioning in case of alarm)
Preset Autotest functions
RS232, RS485 selectable communication
Compatible with protocol PELCO D

DESCRIPTION

Telemetry receiver in explosion-proof box for the control of EXPTC and EXPTD explosion-proof Pan & Tilt. It allows the installations in potentially hazardous areas.

EXDTRX controls the explosionproof P&T functions, including the preset and optics functions.

Epoxy powder painting, color RAL 7032. 4 holes 3/4 "NPT for cable glands.

Available in 230Vac, EXDTRX3, and in 24Vac, EXDTRX324.

EXDTRX3

EXDTRX324

EXDTRX

TECHNICAL DATA

GENERAL

Constructed from aluminium alloy

Neoprene gaskets

Stainless steel external screws

Epoxypolyester powder painting, RAL7032colour

Supplied with 2x3/4" NPT plugs

MECHANICAL

External dimensions: 410x410x296mm (16x16x11.7in)

Internal dimensions: 353x353x206mm (14x14x8.1in)

Unit weight:
- EXDTRX324: 29kg (64lb)
- EXDTRX3: 32kg (70.5lb)

ELECTRICAL

Power supply
- IN 230Vac, 50/60Hz, 40W max
- IN 24Vac, 50/60Hz, 40W max

Max. switching power: 100W

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

Power supplied to glass protection device: IN 24Vac

Power supplied to the lens: OUT 3-12Vdc (max 100mA)

999 selectable addresses through Dip Switches

Ability of using both polarity inversion lenses and common wire lenses

LED indicating power supplied to the unit

LED indicating active functions

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

Ability to memorize up to 40 PRESET positions with VIDEOTEC MACRO (DCJ and DCT keyboards) and PELCO D protocol

4 alarm contacts set as N.O. or N.C.

Communications:
- Selectable serial input (RS-232, Current Loop, RS-485)
- Selection of communication (38400/19200/9600/1200/300 baud rate)
- Repeater RS-232 or RS-485

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

ENVIRONMENT

Indoor/Outdoor

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

Certification temperature: -20°C (-4°F)/+40° (104°F)

CERTIFICATIONS

ATEX
- ⟨Ex⟩ II 2GD Ex d IIC T6 Gb
- ⟨Ex⟩ tb IIIC T85°C Db IP66 Ta -20/+40°C
- ⟨€⟩ 0722: notify number from competent body

EAC EX

Ex d IIC T6 Gb

Ex td IIIC T85 Db IP66

RELATED PRODUCTS

EXPTC	Explosion-proof integrated Pan&tilts with camera housing
EXPTD	Explosion proof Pan & Tilts with integrated camera housing equipped with glass protection device
DCTEL	Matrix and telemetry control keyboard
DCJ	Keyboard for video and telemetry control
SM82A	Video matrix 8 inputs and 2 outputs
SM164B	Video matrix 16 inputs and 4 outputs
SM328B	Matrix 32 inputs and 8 outputs

PACKAGE
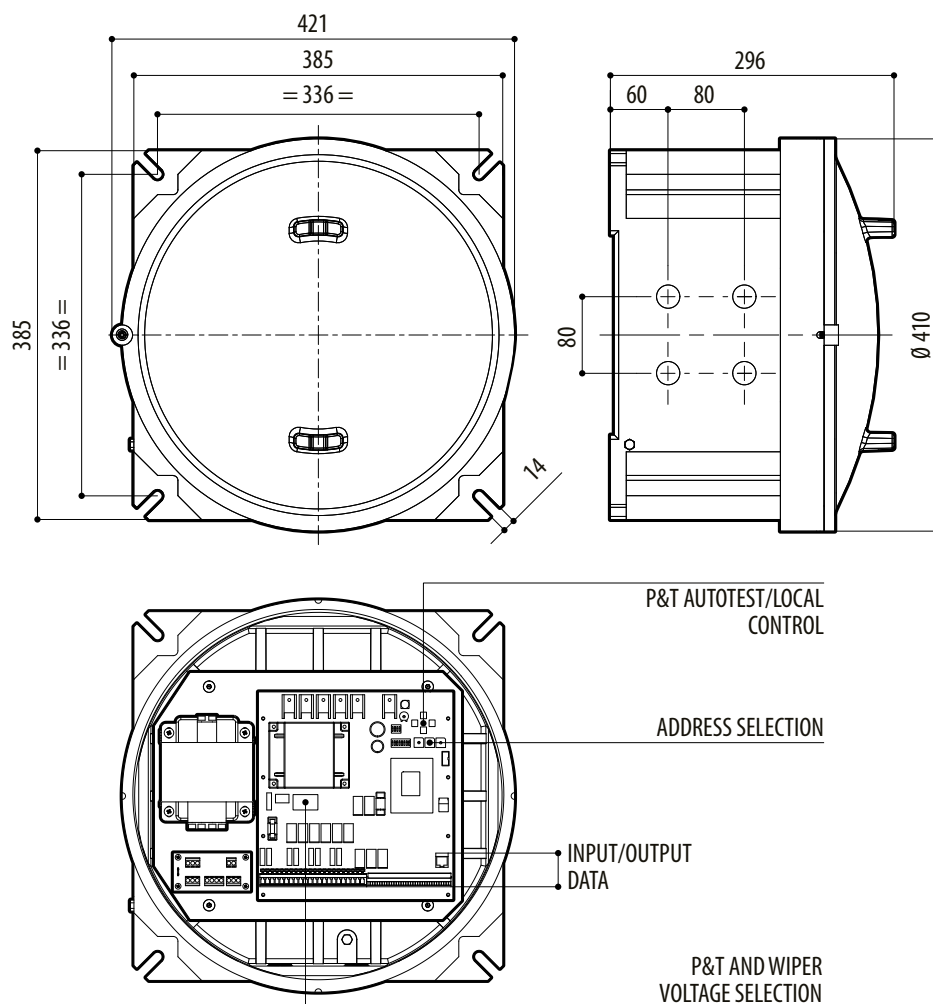
| Model Number	Weight	Dimensions (WxHxL)	Master carton
EXDTRX324	30.5kg (67lb)	50x50x36cm (19.7x19.7x14.2in) (WxHxL)	-
EXDTRX3	33.5kg (74lb)	50x50x36cm (19.7x19.7x14.2in) (WxHxL)	-

3/4" NPT CABLE GLAND SELECTION LAYOUT
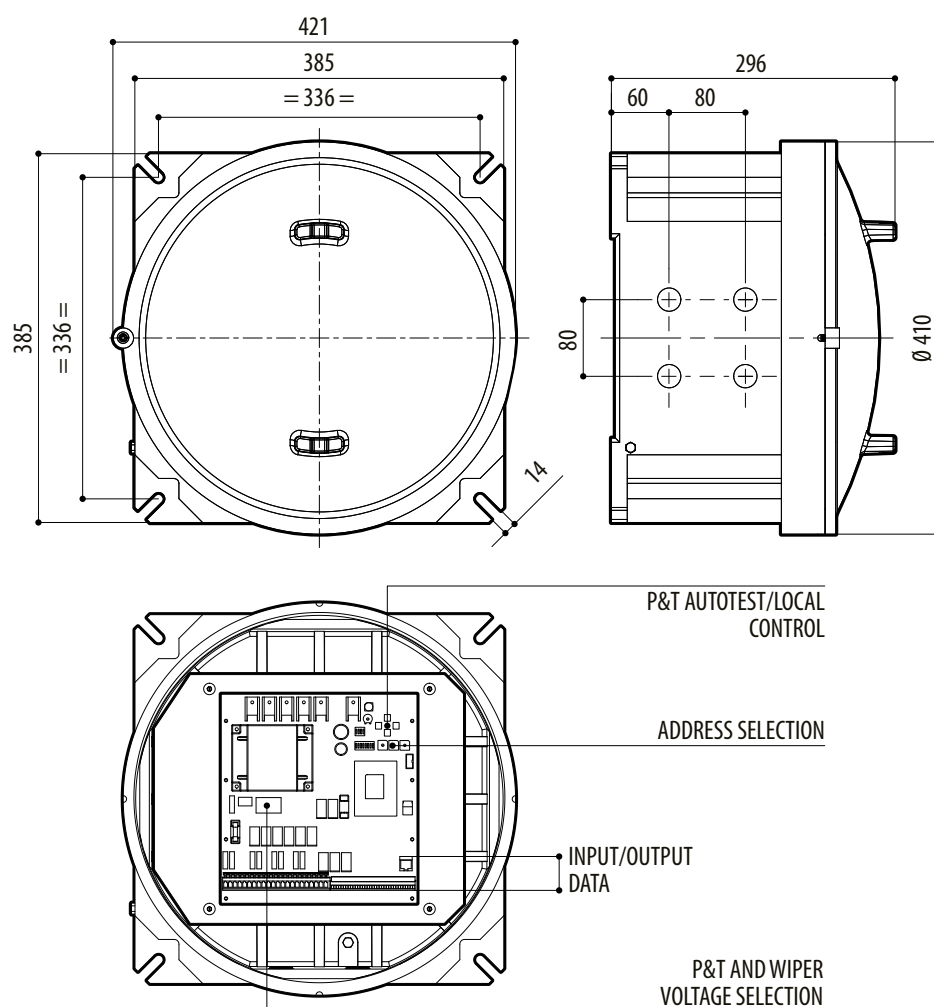
Zone, Gas	Cable gland type	Certification	Operating temperature	Cable	Cable glands part code	Diameter of the external cable	Under armor cable diameter
IIC, Zone 1 or Zone 2 IIB or IIA, Zone 1	Barrier	IECEX/ATEX/EAC	From -60°C (140°F) a +80°C (+176°F)	Not armored	OCTEXB3/4C	From 13mm (0.5in) a 20.2mm (0.8in)	–
				Armored	OCTEXBA3/4C	From 16.9mm (0.7in) a 26mm (1in)	–
IIB or IIA, Zone 2	With gasket	IECEX/ATEX/EAC	From -60°C (140°F) a +100°C (212°F)	Not armored	OCTEX3/4C	From 13mm (0.5in) a 20.2mm (0.8in)	–
				Armored	OCTEXA3/4C	From 16.9mm (0.7in) a 26mm (1in)	From 11.1mm (0.4in) a 19.7mm (0.8in)
		ATEX	From -20°C (-4°F) a +80°C (+176°F)	Not armored	OCTEX3/4	From 14mm (0.6in) a 17mm (0.7in)	–
				Armored	OCTEXA3/4	From 18mm (0.7in) thick glass a 23mm (0.9in)	From 14mm (0.6in) a 17mm (0.7in)

VIDEOTEC CCTV PRODUCTS

TECHNICAL DRAWINGS

Sizes in millimeters.

421

385

= 336 =

385

= 336 =

14

296

60   80

80

Ø 410

P&T AUTOTEST/LOCAL
CONTROL

ADDRESS SELECTION

INPUT/OUTPUT
DATA

P&T AND WIPER
VOLTAGE SELECTION

EXDTRX3

VIDEOTEC

TECHNICAL DRAWINGS

Sizes in millimeters.

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P&T AUTOTEST/LOCAL
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EXDTRX324