



**Schedule of Drawings, Conditions of Manufacture and Equipment coding for
Certificate: IECEx ITS 15.0068X Issue 0**

Equipment Coding:

The coding the equipment is marked with is dependent upon the assembly configuration, internal power dissipation and optical accessories installed. A breakdown of the coding is given below.

Standard variants;

Ex db IIC T6...T4* Gb

Ex tb IIC T135°C Db IP6X**

-##°C ≤ Ta ≤ +##°C

Options fitted with fibre optic outputs are marked;

Ex db op pr IIC T6...T4* Gb

Ex tb op pr IIC T135°C Db IP6X**

-##°C ≤ Ta ≤ +##°C

LED illuminator module variants are marked;

Ex db op is IIC T4* Gb

Ex tb op is IIC T135°C Db IP6X**

-##°C ≤ Ta ≤ +##°C

All of the variants above may additionally be marked [Ex ia Ga], which refers to an intrinsically safe antenna connection. The antenna accessory has only been considered for use in the 20W versions of the camera. Refer to the Table below for the suitable ambient temperature ranges of equipment incorporating an antenna.

*Note: T class and ambient temp, is dependent on the assembly configuration and maximum internal power dissipation.

** Note: When fitted with an internal dissipation of 60W and upper ambient temperature of 70°C the maximum marked temperature should be marked T140°C.

The following table denotes the temperature classification for products which do not contain an antenna.

T-Class	Maximum Ambient Range [^]	Integrated Pan and Tilt		Standalone
		Pan & Tilts Max Watts Dis	Housing Max Watts Dis	Housing Max Watts Dis
T6	-60°C ≤ Ta ≤ +40°C	20 W	20 W	20 W
T5	-60°C ≤ Ta ≤ +40°C	40 W	40 W	40 W
T5	-60°C ≤ Ta ≤ +65°C	20 W	20 W	20 W
T4	-60°C ≤ Ta ≤ +65°C	60 W	60 W	60 W
T4	-60°C ≤ Ta ≤ +70°C	60 W	40 W	40 W
T4	-60°C ≤ Ta ≤ +70°C	50 W	50 W	50 W
T3	-60°C ≤ Ta ≤ +70°C	60 W	60 W	60 W
T3	-60°C ≤ Ta ≤ +70°C	60 W	60 W	60 W
Dust T135°C	-60°C ≤ Ta ≤ +65°C	60 W	60 W	60 W
Dust T140°C	-60°C ≤ Ta ≤ +70°C	60 W	60 W	60 W

The following table contains lists the permitted upper ambient temperatures when using a certified RF barrier.

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Barrier fitted	T- Class	Maximum Ambient Range^	Integrated Pan and Tilt		Standalone
			Pan & Tilts Max Watts Dis	Housing Max Watts Dis	Housing Max Watts Dis
Extronics & Solexy	T6	-40°C ≤ Ta ≤ +40°C	20 W	20 W	20 W
Extronics	T5	-40°C ≤ Ta ≤ +50°C	20 W	20 W	20 W
Solexy	T5	-40°C ≤ Ta ≤ +55°C	20 W	20 W	20 W
Extronics	Dust T135°C	-40°C ≤ Ta ≤ +50°C	20 W	20 W	20 W
Solexy	Dust T135°C	-40°C ≤ Ta ≤ +55°C	20 W	20 W	20 W

^ The manufacturer has requested that this limit may be marked from the evaluated lower ambient to 0°C to ensure correct functionality of the equipment. This does not affect the protection offered by the enclosure.

Drawings:

Title:	Drawing No.:	Rev. Level:	Date:
EXD HOUSING, REAR CABLE ENTRY END COVER.	1420-20-001	006	7/12/15
EXD HOUSING, REAR MULTI CABLE ENTRY END COVER.	1420-20-501	001	7/12/15
1400-2400 HOUSING INTERNAL & EXTERNAL MOUNTING REQUIRMENTS	2400-1400-IEMR	002	7/12/15
FOR HOUSING AND P&T FLANGES OPTIONAL FLAMEPATH TOLERANCE	2410-MOD02	001	13/11/2014
2420 EXD INTERGRATED DC MOTOR PAN TILT, TWIN HEAD OPTION DRAWING	2420-TH	002	7/12/15
CERTIFICATION DRAWINGS FOR ALL OXALIS HOUSINGS AND PAN AND TILT COMBINATIONS 11 Sheets	OXCT-0001	002	10/02/16
ATEX/IECEX CERTIFICATION LABEL DRAWINGS FOR UNITS WITH NO FIBRE OPTICS FITTED	OXCT-0002	003	06/04/16
ATEX/IECEX CERTIFICATION LABEL DRAWINGS FOR UNITS WITH FIBRE OPTICS FITTED	OXCT-0003	003	06/04/16
ATEX/IECEX CERTIFICATION LABEL DRAWINGS FOR ILLUMINATOR UNITS	OXCT-0004	003	06/04/16
ATEX/IECEX CERTIFICATION DETAILS FOR RADIO TRANSMISSION UNITS	OXCT-0005	002	06/04/16
ATEX/IECEX CERTIFICATION LABEL DRAWINGS FOR UNITS CONTAINING WIRELESS TRANSMISSION WITH IS BARRIER	OXCT-0006	002	31/05/16
1400 – 2400 Surface Finish	1400/2400Finishdoc	001	17/11/2014
FOR GEARBOX HOLE/SHAFT OPTIONAL FLAMEPATH TOLERANCE	2420-MOD01	001	04/11/2014

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Conditions of Manufacture:

- A routine overpressure test in accordance with IEC 60079-1:2014 Clause 16.1 shall be carried out on all enclosures, including all cemented window assemblies, at a pressure of 30.12bar for a period of between 10 and 60 seconds.
- There shall be no deformation or damage to the enclosures and no leakage through the cement of any of the window assemblies integrity of the welded construction shall also be verified during routine overpressure testing.
- Empty enclosures may be tested.
- The individual parts of a flameproof enclosure (for example, cover and base) can be tested separately. The test conditions shall be such that the stresses are comparable to those to which these parts are exposed in the complete enclosure.
- If required during the construction, thread inserts needs to withstand the routine overpressure test also.
- Details must be recorded and records maintained.

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