



제17-0351호

안전인증서

Eaton MEDC Ltd(Oxalis)

Unit B, Sutton Parkway, Oddicroft Lane,
Sutton-in-Ashfield, NG17 5FB. United Kingdom

위 사업장에서 신청하는 아래의 품목이 「산업안전보건법」 제34조 및 같은 법 시행
규칙 제58조의4제4항에 따른 안전인증 심사 결과 안전·보건기준에 적합하므로 안전인
증표시의 사용을 인증합니다.

품 목

Pan and Tilt Camera

형식 · 모델 / 용량 · 등급 / 인증번호

형식·모델	용량 · 등급	인증번호
XF40-1410	24VAC/110VAC/230VAC	17-GA4BO-0351X
	Ex d IIC T6-T4(뒷면참조)	

인 증 기 준

방호장치 안전인증 고시(고용노동부고시 제2016-54호)

인 증 조 건

$T_{amb} = -60^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C} / -60^{\circ}\text{C} \leq T_a \leq +65^{\circ}\text{C} / -60^{\circ}\text{C} \leq T_a \leq +70^{\circ}\text{C} /$, 뒷면참조

2017 년 05 월 23 일

한국가스안전공사 사장





인 증 조 건

1. 제조공장:

Unit B, Sutton Parkway, Oddicraft Lane, Sutton-in-Ashfield, NG17 5FB, United Kingdom에 위치한 Eaton MEDC Ltd (Oxalis)에서 생산한 제품 중 아래 인증범위의 제품에 한함.

2. 제품개요

The Camera Housing is constructed from stainless steel AISI316L with glass windows and designed to accommodate a range of CCTV cameras, infra-red cameras, lenses and associated ancillary equipment to allow their deployment in harsh environmental conditions. The housing has facilities for optional items such as window demister/heater, internal window wiper mechanism, integral window washer pump and external sunshield. The unit is 260mm to 600mm in length (dependant on model) and is constructed from 139.7mm diameter cylindrical tube and 154mm diameter end covers. The unit has a cemented window assembly in one end cover, with the opposite end cover being either a blank end plate, end plate with up to three cable entries available in M20, M25, ½" or ¾" NPT thread forms.(첨부 참조)

3. 인증범위:

품목 명 Pan and Tilt Camera, 모델 명 XF40-1410에 한하여 인증함.

4. 안전한 사용을 위한 조건

가. 설치 및 사용 전 사용설명서를 참조할 것

나. Sealing fitting 또는 Cable gland는 동등이상의 방폭인증을 받은 제품을 사용할 것

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

T-Class	Maximum Ambient Range	Integrated Pan and Tilt	
		Pan & Tilts Max Watts Dis	Housing Max Watts Dis
T6	$-60^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$	20 W	20 W
T5	$-60^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$	40 W	40 W
T5	$-60^{\circ}\text{C} \leq T_a \leq +65^{\circ}\text{C}$	20 W	20 W
T4	$-60^{\circ}\text{C} \leq T_a \leq +65^{\circ}\text{C}$	60 W	60 W
T4	$-60^{\circ}\text{C} \leq T_a \leq +70^{\circ}\text{C}$	40 W	40 W
T4	$-60^{\circ}\text{C} \leq T_a \leq +70^{\circ}\text{C}$	50 W	50 W

라. [첨부]참조

5. 인증(변경)사항

IECEX ITS 15.0068X Issue No. 1에 의해 작성되었음

6. 그 밖의 사항

안전인증품의 품질관리, 확인심사 수검, 변경사항 신고 등 인증 받은 자의 의무 준수



[첨부]

2. 제품개요

The cable entry to the camera housing is either via a cable entry adaptor in the side of the housing tube or via the tilt motor shaft attachment flange when mounted to a Pan/Tilt unit. When fitted with Germanium windows, for use with infra-red cameras, a protective guard plate is factory fitted on the window end cover and secured in place. The Camera Housing has welded joints and is therefore to be subjected to routine overpressure tests. The IR model is fitted with an infrared LED Illuminator which is fitted in place of a camera. The integrated Pan & Tilt Unit would be used in conjunction with the Camera Housing where installations require a moveable camera. This Pan & Tilt Unit is also constructed from AISI316L stainless steel and can be fitted with either AC fixed speed or DC variable speed motors. The Pan & Tilt Unit with integral base mount is 300mm wide and 485mm high. There is one cable entry in the base mount which has one M25 threaded flamepath. There are four spigot flamepaths, two where the end covers fit into the housing and two where the motor/gearbox assemblies connect to the housing. In addition there are 2 cylindrical flamepaths for the motor shafts allowing for the pan and tilt movement. The Pan & Tilt Unit has welded joints and is therefore to be subjected to routine overpressure tests. An alternate base unit can also be provided with a M110x1.5 threaded cover for readily accessing wiring terminals. This is secured with a hexagonal grub screw.

4. 안전한 사용을 위한 조건

라. The following conditions of use apply to the end user of the equipment. Refer to the certificate appendix for the conditions of manufacture, which apply to the manufacturer Oxalis. No modifications must be made to the flamepaths of the unit without consultation of the drawings listed on the schedule. Temperatures could exceed 70°C at the cable gland or 80°C at the branching point, suitably rated cable must be selected. Use only hex socket head fasteners with property class of A4-70 for securing end covers & shafts to housings. No electromagnetic or ultrasonic energy radiating equipment shall be fitted within the enclosures other than armoured/protected fibre optic cables (op pr) or the IR illuminator as specified in the documents. When fitted, the optical fibre output from the camera housing must always be terminated within a suitably certified enclosure or safe area. Only armoured cable or conduit is to be utilized when fitted with a fibre optic output in order to protect the fibre optic cable. Precautions must be taken to avoid dust from forming layers on the equipment.

【별지 제4호서식】

동 일 형 식 일 랑 표

사업장명	Eaton MEDC Limited	개정일자 및 번호	인증번호	
형식번호	동일형식 항목			비고
	입력전압			
XF40-1410	24VAC			
	110VAC			
	230VAC			



제17-0352호

안전인증서

Eaton MEDC Ltd(Oxalis)Unit B, Sutton Parkway, Oddicroft Lane,
Sutton-in-Ashfield, NG17 5FB. United Kingdom

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규칙 제58조의4제4항에 따른 안전인증 심사 결과 안전·보건기준에 적합하므로 안전인
증표시의 사용을 인증합니다.

_____ 품 목 _____

Pan and Tilt Camera

_____ 형식 · 모델 / 용량 · 등급 / 인증번호 _____

형식·모델	용량 · 등급	인증번호
XF40-1410	24VAC/110VAC/230VAC	17-GA4BO-0352X
	Ex tD A21 T135℃ IP6X	

_____ 인 증 기 준 _____

방호장치 안전인증 고시(고용노동부고시 제2016-54호)

_____ 인 증 조 건 _____

Tamb = -60℃ ≤ Ta ≤ +65℃, 뒷면참조

2017 년 05 월 23 일

한국가스안전공사 사장





인 증 조 건

1. 제조공장:

Unit B, Sutton Parkway, Oddicraft Lane, Sutton-in-Ashfield, NG17 5FB. United Kingdom에 위치한 Eaton MEDC Ltd (Oxalis)에서 생산한 제품 중 아래 인증범위의 제품에 한함.

2. 제품개요

The Camera Housing is constructed from stainless steel AISI316L with glass windows and designed to accommodate a range of CCTV cameras, infra-red cameras, lenses and associated ancillary equipment to allow their deployment in harsh environmental conditions. The housing has facilities for optional items such as window demister/heater, internal window wiper mechanism, integral window washer pump and external sunshield. The unit is 260mm to 600mm in length (dependant on model) and is constructed from 139.7mm diameter cylindrical tube and 154mm diameter end covers. The unit has a cemented window assembly in one end cover, with the opposite end cover being either a blank end plate, end plate with up to three cable entries available in M20, M25, $\frac{1}{2}$ " or $\frac{3}{4}$ " NPT thread forms.(첨부 참조)

3. 인증범위:

품목 명 Pan and Tilt Camera, 모델 명 XF40-1410에 한하여 인증함.

4. 안전한 사용을 위한 조건

가. 설치 및 사용 전 사용설명서를 참조할 것

나. Sealing fitting 또는 Cable gland는 동등이상의 방폭인증을 받은 제품을 사용할 것

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

T-Class	Maximum Ambient Range	Integrated Pan and Tilt	
		Pan & Tilts Max Watts Dis	Housing Max Watts Dis
Dust 135°C	$-60^{\circ}\text{C} \leq T_a \leq +65^{\circ}\text{C}$	60 W	60 W

라. [첨부]참조

5. 인증(변경)사항

IECEX ITS 15.0068X Issue No. 1에 의해 작성되었음

Ex tD A21 T135°C IP6X instead of Ex tb IIIC T135°C Db IP6X

6. 그 밖의 사항

안전인증품의 품질관리, 확인심사 수검, 변경사항 신고 등 인증 받은 자의 의무 준수



[첨부]

2. 제품개요

The cable entry to the camera housing is either via a cable entry adaptor in the side of the housing tube or via the tilt motor shaft attachment flange when mounted to a Pan/Tilt unit. When fitted with Germanium windows, for use with infra-red cameras, a protective guard plate is factory fitted on the window end cover and secured in place. The Camera Housing has welded joints and is therefore to be subjected to routine overpressure tests. The IR model is fitted with an infrared LED Illuminator which is fitted in place of a camera. The integrated Pan & Tilt Unit would be used in conjunction with the Camera Housing where installations require a moveable camera. This Pan & Tilt Unit is also constructed from AISI316L stainless steel and can be fitted with either AC fixed speed or DC variable speed motors. The Pan & Tilt Unit with integral base mount is 300mm wide and 485mm high. There is one cable entry in the base mount which has one M25 threaded flamepath. There are four spigot flamepaths, two where the end covers fit into the housing and two where the motor/gearbox assemblies connect to the housing. In addition there are 2 cylindrical flamepaths for the motor shafts allowing for the pan and tilt movement. The Pan & Tilt Unit has welded joints and is therefore to be subjected to routine overpressure tests. An alternate base unit can also be provided with a M110x1.5 threaded cover for readily accessing wiring terminals. This is secured with a hexagonal grub screw.

4. 안전한 사용을 위한 조건

라. The following conditions of use apply to the end user of the equipment. Refer to the certificate appendix for the conditions of manufacture, which apply to the manufacturer Oxalis. No modifications must be made to the flamepaths of the unit without consultation of the drawings listed on the schedule. Temperatures could exceed 70°C at the cable gland or 80°C at the branching point, suitably rated cable must be selected. Use only hex socket head fasteners with property class of A4-70 for securing end covers & shafts to housings. No electromagnetic or ultrasonic energy radiating equipment shall be fitted within the enclosures other than armoured/protected fibre optic cables (op pr) or the IR illuminator as specified in the documents. When fitted, the optical fibre output from the camera housing must always be terminated within a suitably certified enclosure or safe area. Only armoured cable or conduit is to be utilized when fitted with a fibre optic output in order to protect the fibre optic cable. Precautions must be taken to avoid dust from forming layers on the equipment.

【별지 제4호서식】

동 일 형 식 일 랑 표

사업장명	Eaton MEDC Limited	개정일자 및 번호	인증번호	
형식번호	동일형식 항목			비고
	입력전압			
XF40-1410	24VAC 110VAC 230VAC			



제17-0353호

안 전 인 증 서

Eaton MEDC Ltd(Oxalis)Unit B, Sutton Parkway, Oddicroft Lane,
Sutton-in-Ashfield, NG17 5FB. United Kingdom

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규칙 제58조의4제4항에 따른 안전인증 심사 결과 안전·보건기준에 적합하므로 안전인
증표시의 사용을 인증합니다.

_____ 품 목 _____

Pan and Tilt Camera

_____ 형식 · 모델 / 용량 · 등급 / 인증번호 _____

형식·모델	용량 · 등급	인증번호
XF40-2410	24VAC/110VAC/230VAC	17-GA4BO-0353X
	Ex d IIC T6-T4(뒷면참조)	

_____ 인 증 기 준 _____

방호장치 안전인증 고시(고용노동부고시 제2016-54호)

_____ 인 증 조 건 _____

Tamb = -60℃ ≤ Ta ≤ +40℃ / -60℃ ≤ Ta ≤ +65℃ / -60℃ ≤ Ta ≤ +70℃ / , 뒷면참조

2017 년 05 월 23 일

한국가스안전공사 사장





인 증 조 건

1. 제조공장:

Unit B, Sutton Parkway, Oddicraft Lane, Sutton-in-Ashfield, NG17 5FB, United Kingdom에 위치한 Eaton MEDC Ltd (Oxalis)에서 생산한 제품 중 아래 인증범위의 제품에 한함.

2. 제품개요

The Camera Housing is constructed from stainless steel AISI316L with glass windows and designed to accommodate a range of CCTV cameras, infra-red cameras, lenses and associated ancillary equipment to allow their deployment in harsh environmental conditions. The housing has facilities for optional items such as window demister/heater, internal window wiper mechanism, integral window washer pump and external sunshield. The unit is 260mm to 600mm in length (dependant on model) and is constructed from 139.7mm diameter cylindrical tube and 154mm diameter end covers. The unit has a cemented window assembly in one end cover, with the opposite end cover being either a blank end plate, end plate with up to three cable entries available in M20, M25, ½" or ¾" NPT thread forms.(첨부 참조)

3. 인증범위:

품목 명 Pan and Tilt Camera, 모델 명 XF40-2410에 한하여 인증함.

4. 안전한 사용을 위한 조건

가. 설치 및 사용 전 사용설명서를 참조할 것

나. Sealing fitting 또는 Cable gland는 동등이상의 방폭인증을 받은 제품을 사용할 것

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

T-Class	Maximum Ambient Range	Integrated Pan and Tilt	
		Pan & Tilts Max Watts Dis	Housing Max Watts Dis
T6	-60℃ ≤ Ta ≤ +40℃	20 W	20 W
T5	-60℃ ≤ Ta ≤ +40℃	40 W	40 W
T5	-60℃ ≤ Ta ≤ +65℃	20 W	20 W
T4	-60℃ ≤ Ta ≤ +65℃	60 W	60 W
T4	-60℃ ≤ Ta ≤ +70℃	40 W	40 W
T4	-60℃ ≤ Ta ≤ +70℃	50 W	50 W

라. [첨부]참조

5. 인증(변경)사항

IECEx ITS 15.0068X Issue No. 1에 의해 작성되었음

6. 그 밖의 사항

안전인증품의 품질관리, 확인심사 수검, 변경사항 신고 등 인증 받은 자의 의무 준수



[첨부]

2. 제품개요

The cable entry to the camera housing is either via a cable entry adaptor in the side of the housing tube or via the tilt motor shaft attachment flange when mounted to a Pan/Tilt unit. When fitted with Germanium windows, for use with infra-red cameras, a protective guard plate is factory fitted on the window end cover and secured in place. The Camera Housing has welded joints and is therefore to be subjected to routine overpressure tests. The IR model is fitted with an infrared LED Illuminator which is fitted in place of a camera. The integrated Pan & Tilt Unit would be used in conjunction with the Camera Housing where installations require a moveable camera. This Pan & Tilt Unit is also constructed from AISI316L stainless steel and can be fitted with either AC fixed speed or DC variable speed motors. The Pan & Tilt Unit with integral base mount is 300mm wide and 485mm high. There is one cable entry in the base mount which has one M25 threaded flamepath. There are four spigot flamepaths, two where the end covers fit into the housing and two where the motor/gearbox assemblies connect to the housing. In addition there are 2 cylindrical flamepaths for the motor shafts allowing for the pan and tilt movement. The Pan & Tilt Unit has welded joints and is therefore to be subjected to routine overpressure tests. An alternate base unit can also be provided with a M110x1.5 threaded cover for readily accessing wiring terminals. This is secured with a hexagonal grub screw.

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【별지 제4호서식】

동 일 형 식 일 랑 표

사업장명	Eaton MEDC Limited	개정일자 및 번호	인증번호	
형식번호	동일형식 항목			비고
	입력전압			
XF40-2410	24VAC			
	110VAC			
	230VAC			



제17-0354호

안 전 인 증 서

Eaton MEDC Ltd(Oxalis)

Unit B, Sutton Parkway, Oddicroft Lane,
Sutton-in-Ashfield, NG17 5FB. United Kingdom

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규칙 제58조의4제4항에 따른 안전인증 심사 결과 안전·보건기준에 적합하므로 안전인
증표시의 사용을 인증합니다.

품 목

Pan and Tilt Camera

형식 · 모델 / 용량 · 등급 / 인증번호

형식·모델	용량 · 등급	인증번호
XF40-2410	24VAC/110VAC/230VAC	17-GA4BO-0354X
	Ex tD A21 T135℃ IP6X	

인 증 기 준

방호장치 안전인증 고시(고용노동부고시 제2016-54호)

인 증 조 건

Tamb = -60℃ ≤ Ta ≤ +65℃, 뒷면참조

2017 년 05 월 23 일

한국가스안전공사 사장





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3. 인증범위:

품목 명 Pan and Tilt Camera, 모델 명 XF40-2410에 한하여 인증함.

4. 안전한 사용을 위한 조건

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나. Sealing fitting 또는 Cable gland는 동등이상의 방폭인증을 받은 제품을 사용할 것

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라. [첨부]참조

5. 인증(변경)사항

IECEX ITS 15.0068X Issue No. 1에 의해 작성되었음

Ex tD A21 T135°C IP6X instead of Ex tb IIIC T135°C Db IP6X

6. 그 밖의 사항

안전인증품의 품질관리, 확인심사 수검, 변경사항 신고 등 인증 받은 자의 의무 준수



[첨부]

2. 제품개요

The cable entry to the camera housing is either via a cable entry adaptor in the side of the housing tube or via the tilt motor shaft attachment flange when mounted to a Pan/Tilt unit. When fitted with Germanium windows, for use with infra-red cameras, a protective guard plate is factory fitted on the window end cover and secured in place. The Camera Housing has welded joints and is therefore to be subjected to routine overpressure tests. The IR model is fitted with an infrared LED Illuminator which is fitted in place of a camera. The integrated Pan & Tilt Unit would be used in conjunction with the Camera Housing where installations require a moveable camera. This Pan & Tilt Unit is also constructed from AISI316L stainless steel and can be fitted with either AC fixed speed or DC variable speed motors. The Pan & Tilt Unit with integral base mount is 300mm wide and 485mm high. There is one cable entry in the base mount which has one M25 threaded flamepath. There are four spigot flamepaths, two where the end covers fit into the housing and two where the motor/gearbox assemblies connect to the housing. In addition there are 2 cylindrical flamepaths for the motor shafts allowing for the pan and tilt movement. The Pan & Tilt Unit has welded joints and is therefore to be subjected to routine overpressure tests. An alternate base unit can also be provided with a M110x1.5 threaded cover for readily accessing wiring terminals. This is secured with a hexagonal grub screw.

4. 안전한 사용을 위한 조건

라. The following conditions of use apply to the end user of the equipment. Refer to the certificate appendix for the conditions of manufacture, which apply to the manufacturer Oxalis. No modifications must be made to the flamepaths of the unit without consultation of the drawings listed on the schedule. Temperatures could exceed 70°C at the cable gland or 80°C at the branching point, suitably rated cable must be selected. Use only hex socket head fasteners with property class of A4-70 for securing end covers & shafts to housings. No electromagnetic or ultrasonic energy radiating equipment shall be fitted within the enclosures other than armoured/protected fibre optic cables (op pr) or the IR illuminator as specified in the documents. When fitted, the optical fibre output from the camera housing must always be terminated within a suitably certified enclosure or safe area. Only armoured cable or conduit is to be utilized when fitted with a fibre optic output in order to protect the fibre optic cable. Precautions must be taken to avoid dust from forming layers on the equipment.

【별지 제4호서식】

동 일 형 식 일 랑 표

사업장명	Eaton MEDC Limited	개정일자 및 번호	인증번호	
형식번호	동일형식 항목			비고
	입력전압			
XF40-2410	24VAC 110VAC 230VAC			



제17-0355호

안 전 인 증 서

Eaton MEDC Ltd(Oxalis)

Unit B, Sutton Parkway, Oddicroft Lane,
Sutton-in-Ashfield, NG17 5FB. United Kingdom

위 사업장에서 신청하는 아래의 품목이 「산업안전보건법」 제34조 및 같은 법 시행
규칙 제58조의4제4항에 따른 안전인증 심사 결과 안전·보건기준에 적합하므로 안전인
증표시의 사용을 인증합니다.

품 목

Pan and Tilt Camera

형식 · 모델 / 용량 · 등급 / 인증번호

형식·모델	용량 · 등급	인증번호
XP40-2420	24VAC/110VAC/230VAC	17-GA4BO-0355X
	Ex d IIC T6-T4(뒷면참조)	

인 증 기 준

방호장치 안전인증 고시(고용노동부고시 제2016-54호)

인 증 조 건

Tamb = -60℃ ≤ Ta ≤ +40℃ / -60℃ ≤ Ta ≤ +65℃ / -60℃ ≤ Ta ≤ +70℃ / , 뒷면참조

2017 년 05 월 23 일

한국가스안전공사 사장





인 증 조 건

1. 제조공장:

Unit B, Sutton Parkway, Oddicraft Lane, Sutton-in-Ashfield, NG17 5FB, United Kingdom에 위치한 Eaton MEDC Ltd (Oxalis)에서 생산한 제품 중 아래 인증범위의 제품에 한함.

2. 제품개요

The Camera Housing is constructed from stainless steel AISI316L with glass windows and designed to accommodate a range of CCTV cameras, infra-red cameras, lenses and associated ancillary equipment to allow their deployment in harsh environmental conditions. The housing has facilities for optional items such as window demister/heater, internal window wiper mechanism, integral window washer pump and external sunshield. The unit is 260mm to 600mm in length (dependant on model) and is constructed from 139.7mm diameter cylindrical tube and 154mm diameter end covers. The unit has a cemented window assembly in one end cover, with the opposite end cover being either a blank end plate, end plate with up to three cable entries available in M20, M25, $\frac{1}{2}$ " or $\frac{3}{4}$ " NPT thread forms.(첨부 참조)

3. 인증범위:

품목 명 Pan and Tilt Camera, 모델 명 XP40-2420에 한하여 인증함.

4. 안전한 사용을 위한 조건

가. 설치 및 사용 전 사용설명서를 참조할 것

나. Sealing fitting 또는 Cable gland는 동등이상의 방폭인증을 받은 제품을 사용할 것

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

T-Class	Maximum Ambient Range	Integrated Pan and Tilt	
		Pan & Tilts Max Watts Dis	Housing Max Watts Dis
T6	$-60^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$	20 W	20 W
T5	$-60^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$	40 W	40 W
T5	$-60^{\circ}\text{C} \leq T_a \leq +65^{\circ}\text{C}$	20 W	20 W
T4	$-60^{\circ}\text{C} \leq T_a \leq +65^{\circ}\text{C}$	60 W	60 W
T4	$-60^{\circ}\text{C} \leq T_a \leq +70^{\circ}\text{C}$	40 W	40 W
T4	$-60^{\circ}\text{C} \leq T_a \leq +70^{\circ}\text{C}$	50 W	50 W

라. [첨부]참조

5. 인증(변경)사항

IECEx ITS 15.0068X Issue No. 1에 의해 작성되었음

6. 그 밖의 사항

안전인증품의 품질관리, 확인심사 수검, 변경사항 신고 등 인증 받은 자의 의무 준수



[첨부]

2. 제품개요

The cable entry to the camera housing is either via a cable entry adaptor in the side of the housing tube or via the tilt motor shaft attachment flange when mounted to a Pan/Tilt unit. When fitted with Germanium windows, for use with infra-red cameras, a protective guard plate is factory fitted on the window end cover and secured in place. The Camera Housing has welded joints and is therefore to be subjected to routine overpressure tests. The IR model is fitted with an infrared LED Illuminator which is fitted in place of a camera. The integrated Pan & Tilt Unit would be used in conjunction with the Camera Housing where installations require a moveable camera. This Pan & Tilt Unit is also constructed from AISI316L stainless steel and can be fitted with either AC fixed speed or DC variable speed motors. The Pan & Tilt Unit with integral base mount is 300mm wide and 485mm high. There is one cable entry in the base mount which has one M25 threaded flamepath. There are four spigot flamepaths, two where the end covers fit into the housing and two where the motor/gearbox assemblies connect to the housing. In addition there are 2 cylindrical flamepaths for the motor shafts allowing for the pan and tilt movement. The Pan & Tilt Unit has welded joints and is therefore to be subjected to routine overpressure tests. An alternate base unit can also be provided with a M110x1.5 threaded cover for readily accessing wiring terminals. This is secured with a hexagonal grub screw.

4. 안전한 사용을 위한 조건

라. The following conditions of use apply to the end user of the equipment. Refer to the certificate appendix for the conditions of manufacture, which apply to the manufacturer Oxalis. No modifications must be made to the flamepaths of the unit without consultation of the drawings listed on the schedule. Temperatures could exceed 70°C at the cable gland or 80°C at the branching point, suitably rated cable must be selected. Use only hex socket head fasteners with property class of A4-70 for securing end covers & shafts to housings. No electromagnetic or ultrasonic energy radiating equipment shall be fitted within the enclosures other than armoured/protected fibre optic cables (op pr) or the IR illuminator as specified in the documents. When fitted, the optical fibre output from the camera housing must always be terminated within a suitably certified enclosure or safe area. Only armoured cable or conduit is to be utilized when fitted with a fibre optic output in order to protect the fibre optic cable. Precautions must be taken to avoid dust from forming layers on the equipment.

【별지 제4호서식】

동 일 형 식 일 람 표

사업장명	Eaton MEDC Limited	개정일자 및 번호	인증번호	
형식번호	동일형식 항목			비고
	입력전압			
XP40-2420	24VAC			
	110VAC			
	230VAC			



제17-0356호

안전인증서

Eaton MEDC Ltd(Oxalis)Unit B, Sutton Parkway, Oddicroft Lane,
Sutton-in-Ashfield, NG17 5FB. United Kingdom

위 사업장에서 신청하는 아래의 품목이 「산업안전보건법」 제34조 및 같은 법 시행
규칙 제58조의4제4항에 따른 안전인증 심사 결과 안전·보건기준에 적합하므로 안전인
증표시의 사용을 인증합니다.

품 목

Pan and Tilt Camera

형식 · 모델 / 용량 · 등급 / 인증번호

형식·모델	용량 · 등급	인증번호
XP40-2420	24VAC/110VAC/230VAC	17-GA4BO-0356X
	Ex tD A21 T135℃ IP6X	

인 증 기 준

방호장치 안전인증 고시(고용노동부고시 제2016-54호)

인 증 조 건

Tamb = -60℃ ≤ Ta ≤ +65℃, 뒷면참조

2017 년 05 월 23 일

한국가스안전공사 사장





인 증 조 건

1. 제조공장:

Unit B, Sutton Parkway, Oddcroft Lane, Sutton-in-Ashfield, NG17 5FB. United Kingdom에 위치한 Eaton MEDC Ltd (Oxalis)에서 생산한 제품 중 아래 인증범위의 제품에 한함.

2. 제품개요

The Camera Housing is constructed from stainless steel AISI316L with glass windows and designed to accommodate a range of CCTV cameras, infra-red cameras, lenses and associated ancillary equipment to allow their deployment in harsh environmental conditions. The housing has facilities for optional items such as window demister/heater, internal window wiper mechanism, integral window washer pump and external sunshield. The unit is 260mm to 600mm in length (dependant on model) and is constructed from 139.7mm diameter cylindrical tube and 154mm diameter end covers. The unit has a cemented window assembly in one end cover, with the opposite end cover being either a blank end plate, end plate with up to three cable entries available in M20, M25, ½" or ¾" NPT thread forms. (첨부 참조)

3. 인증범위:

품목 명 Pan and Tilt Camera, 모델 명 XP40-2420에 한하여 인증함.

4. 안전한 사용을 위한 조건

가. 설치 및 사용 전 사용설명서를 참조할 것

나. Sealing fitting 또는 Cable gland는 동등이상의 방폭인증을 받은 제품을 사용할 것

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

T-Class	Maximum Ambient Range	Integrated Pan and Tilt	
		Pan & Tilts Max Watts Dis	Housing Max Watts Dis
Dust 135°C	$-60^{\circ}\text{C} \leq T_a \leq +65^{\circ}\text{C}$	60 W	60 W

라. [첨부]참조

5. 인증(변경)사항

IECEX ITS 15.0068X Issue No. 1에 의해 작성되었음

Ex tD A21 T135°C IP6X instead of Ex tb IIIC T135°C Db IP6X

6. 그 밖의 사항

안전인증품의 품질관리, 확인심사 수검, 변경사항 신고 등 인증 받은 자의 의무 준수



[첨부]

2. 제품개요

The cable entry to the camera housing is either via a cable entry adaptor in the side of the housing tube or via the tilt motor shaft attachment flange when mounted to a Pan/Tilt unit. When fitted with Germanium windows, for use with infra-red cameras, a protective guard plate is factory fitted on the window end cover and secured in place. The Camera Housing has welded joints and is therefore to be subjected to routine overpressure tests. The IR model is fitted with an infrared LED Illuminator which is fitted in place of a camera. The integrated Pan & Tilt Unit would be used in conjunction with the Camera Housing where installations require a moveable camera. This Pan & Tilt Unit is also constructed from AISI316L stainless steel and can be fitted with either AC fixed speed or DC variable speed motors. The Pan & Tilt Unit with integral base mount is 300mm wide and 485mm high. There is one cable entry in the base mount which has one M25 threaded flamepath. There are four spigot flamepaths, two where the end covers fit into the housing and two where the motor/gearbox assemblies connect to the housing. In addition there are 2 cylindrical flamepaths for the motor shafts allowing for the pan and tilt movement. The Pan & Tilt Unit has welded joints and is therefore to be subjected to routine overpressure tests. An alternate base unit can also be provided with a M110x1.5 threaded cover for readily accessing wiring terminals. This is secured with a hexagonal grub screw.

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【별지 제4호서식】

동 일 형 식 일 람 표

사업장명	Eaton MEDC Limited	개정일자 및 번호		인증번호	
형식번호	동일형식 항목				비고
	입력전압				
XP40-2420	24VAC 110VAC 230VAC				