

## PHOENIX EX™

MOTION SENSOR WITH EXPLOSION-PROOF / FLAME-PROOF HOUSING FOR INTRUSTION PROTECTION

## **DESCRIPTION**

BEA's **PHOENIX EX<sup>TM</sup> Family** combines a microwave motion detection sensor in an explosion-proof / flame-proof housing, which is ideal for use in unique environments such as chemical manufacturing, petroleum refining and military facilities.

The **PHOENIX EX™ Family** is designed to detect within a desired area for security or intrusion detection, warning indication and automation. When tied into a security system, the **PHOENIX EX™ Family** offers a monitoring feature via end-of-line resistors. These resistors provide unique output states, which allow differentiation between an motion detection signal and/or an interruption in functionality due to tampering of the device.

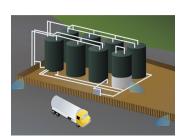
The explosion-proof / flame-proof housing is a waterproof-rated enclosure designed as an IP66 housing. This housing achieves UL Class I, Div. 1, Groups B, C, D; Class II, Div. 1 & 2, Groups E, F, G; and Class III\*.

\* Adalet / Scott Fetzer Co., UL Listing #E81696

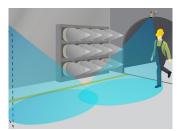
## **APPLICATIONS**



Military Bunkers



**Compressor Station** 



**Munitions Storage** 



Maintenance Facility

**DISCLAIMER** Information is supplied upon the condition that the persons receiving it will make their own determination as to its suitability for their purposes prior to use. In no event will BEA be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information from this document or the products to which the information refers. BEA has the right without liability to change descriptions and specifications at any time.



## **TECHNICAL SPECIFICATIONS**

Mounting height:  EX	TECHNOLOGY / PERFORMANCE	
EX	Technology:	microwave doppler radar
EX XL EX WIDE  11.5 - 21 ft  Detection zone:  (typical at 30° and field size 9)  EX 13 x 16 ft @ 16 ft EX XL 13 x 6.5 ft @ 8.2 ft EX WIDE  30 x 11 ft @ 21 ft  Min. detection speed: 2 in/s (measured in optimal conditions)  Tilt adjustment angle: -90 - 30° in elevation  ELECTRICAL  Supply voltage: 12 - 24 VAC ± 10% 12 - 24 VDC ± 30% / -10%  Transmitter frequency: 24.150 GHz  Transmitter radiated power: - 20 dBm EIRP  Transmitter power density: - 20 wCly WC = 20 wCly WCly WCly WCly WCly WCly WCly WCly W	Mounting height:	
EX WIDE  Detection zone:  (typical at 30° and field size 9)  EX  13 x 16 ft @ 16 ft  EX XL  13 x 6.5 ft @ 8.2 ft  EX WIDE  30 x 11 ft @ 21 ft  Min. detection speed:  2 in/s (measured in optimal conditions)  Tilt adjustment angle:  -90 - 30° in elevation  ELECTRICAL  Supply voltage:  12 - 24 VDC + 30% / -10%  Transmitter frequency:  24.150 GHz  Transmitter rediated power:  - 20 dBm EIRP  Transmitter power density:  - 24 WOC / 430%  - 25 mW/cm2  Output:  - relay (free of potential change-over contact)  - max. contact voltage - max. contact current - max. switching power  1 A (resistive) - max. switching power  1 /8 Watt  Mains frequency:  - 50 - 60 Hz  Max. power consumption:  Anti-tamper (EX versions):  - y product anti-tamper (magnetic switch within cover, al when cover is unscrewed)  2) application-based anti-tamper (tamper alert via end-oline resistor)  Anti-tamper (EX-IT versions):  - product anti-tamper (magnetic switch within cover, alert when cover is unscrewed)  PHYSICAL  Temperature range:  - 22 - 140 °F  Housing certification:  (Adalet / Scott Fetzer Co., UL Listing # E81696)  UL class I, DIV 1 Group BCD; class II, DIV 1 Group EFG; Cl. III; NEMA Type 4X; IP66; UL 1203; CSA C22.2 No.308CSA C22.2 No.308CSA C22.2 No.308CSA C22.2 No.308CSA C22.2 No.308CSA C22.2 No.308CSA C32.2 No.308C	EX	11.5 – 23 ft
Detection zone:  EX	EX XL	6.5 – 11.5 ft
EX	EX WIDE	
EX XL EX WIDE  30 x 11 ft @ 21 ft  Min. detection speed: 2 in/s (measured in optimal conditions)  Tilt adjustment angle: -90 - 30° in elevation  ELECTRICAL  Supply voltage: 12 - 24 VDC ±10% 12 - 24 VDC +30% / -10%  Transmitter frequency: 24.150 GHz  Transmitter radiated power: - 20 dBm EIRP  Transmitter power density: - 25 mW/cm2  Output: - relay (free of potential change-over contact) - max. contact voltage - max. switching power - 1/8 Watt  Mains frequency: - 90 - 60 Hz  Max. power consumption: - 2W  Anti-tamper (EX versions): - 1/8 Watt  Mains frequency: - 20 dBm EIRP  Transmitter power density: - 1/8 Watt  Mains frequency: - 1/8 Watt  Mains frequency: - 90 - 60 Hz  Max. power consumption: - 2W  Anti-tamper (EX versions): - 1/9 roduct anti-tamper (magnetic switch within cover, al when cover is unscrewed) - 2) application-based anti-tamper (tamper alert via endoline resistor)  PHYSICAL  Temperature range: - 22 - 140 °F  Housing certification: - (Adalet / Scott Fetzer Co., UL Listing # E81696) - UL Class I, DIV 1 Group BCD; Class II, DIV 1 Group EFG; Cl - III; NEMA Type 4X; IP66; UL 1203; CSA C22.2 No.30&CSA - C22.2 No.25 FM 3615; ATEX (FLAMEPROOF - DEMKO), EX - III, IEGG0529  Dimensions: - 9 in (L) x 7.5 in (W) x 5.5 in (H)  Materials: - Copper-free aluminum (housing) - Powder-coated steel (bracket)  Weight: - 11 Ibs - Cable diameter: - EX - EX - 0.216" (5-conductor cable) - ELECTICAL  COMPLIANCE	Detection zone:	(typical at 30° and field size 9)
EX WIDE  Min. detection speed:  2 in/s (measured in optimal conditions)  Tilt adjustment angle:  -90 – 30° in elevation  ELECTRICAL  Supply voltage:  12 – 24 VAC ±10% 12 – 24 VDC +30% / -10%  Transmitter frequency:  24.150 GHz  Transmitter radiated power:  - 20 dBm EIRP  Transmitter power density:  - 5 mW/cm2  Output:  - max. contact voltage - max. contact current - max. switching power  1 A (resistive) - max. switching power  1 B Watt  Mains frequency:  50 – 60 Hz  Max. power consumption:  Anti-tamper (EX versions):  1 product anti-tamper (magnetic switch within cover, al when cover is unscrewed) 2) application-based anti-tamper (tamper alert via endoline resistor)  Anti-tamper (EX-IT versions):  PHYSICAL  Temperature range:  -22 – 140 °F  Housing certification:  (Adalet / Scott Fetzer Co., UL Listing # E81696) UL Class I, DIV 1 Group BCD, Class II, DIV 1 Group EFG; CI III; NEMA Type 4X; IP66; UL 1203; CSA C22.2 No.30&CSA C22.2 No.25 FM 3615; ATEX (FLAMEPROOF - DEMKO), EX IC, IECG0529  Dimensions:  9 in (L) x 7.5 in (W) x 5.5 in (H)  Materials:  Copper-free aluminum (housing) - Powder-coated steel (bracket)  Weight:  11 lbs  Cable length:  Cable diameter:  EX EX-10		
Min. detection speed:  7 it adjustment angle: -90 - 30° in elevation  ELECTRICAL  Supply voltage: 12 - 24 VAC ±10% 13 - 24 VAC ±10% 14 - 24 VAC ±10% 15 - 24 VAC ±10% 16 - 24 VAC ±10% 17 it adjustment angle: 24.150 GHz  Transmitter frequency: 24.150 GHz  Transmitter power density: 25 mW/cm2  Output:  max. contact voltage max. contact current max. switching power 30 W (DC); 60 VA (AC)  Output*: max. switching power  1/8 Watt  Mains frequency: 50 - 60 Hz  Max. power consumption: 42 VAC / VDC  max. power consumption: 42 VAC / VDC  max. switching power 45 VAC / VDC  max. switching power 47 Watt  Mains frequency: 49 Watt  Mains frequency: 50 - 60 Hz  Anti-tamper (EX versions): 40 product anti-tamper (magnetic switch within cover, all when cover is unscrewed) 2) application-based anti-tamper (tamper alert via end-oline resistor)  Anti-tamper (EX-IT versions): 40 product anti-tamper (magnetic switch within cover, alert when cover is unscrewed)  PHYSICAL  Temperature range: 42 - 140°F  43 (Adalet / Scott Fetzer Co., UL Listing # E81696) 44 (L class I, DIV 1 Group BCD; Class II, DIV 1 Group EFG; Cl III; NEMA Type 4X; IP66; UL 1203; CSA C22.2 No.308-CSA C22.2 No.25 FM 3615; ATEX (FLAMEPROOF - DEMKO), Ex III; NEMA Type 4X; IP66; UL 1203; CSA C22.2 No.308-CSA C22.2 No.25 FM 3615; ATEX (FLAMEPROOF - DEMKO), Ex III; NEMA Type 4X; IP66; UL 1203; CSA C22.2 No.308-CSA C22.2 No.25 FM 3615; ATEX (FLAMEPROOF - DEMKO), Ex III; NEMA Type 4X; IP66; UL 1203; CSA C22.2 No.308-CSA C22.2 No.25 FM 3615; ATEX (FLAMEPROOF - DEMKO), Ex III; NEMA Type 4X; IP66; UL 1203; CSA C22.2 No.308-CSA C22.2 No.25 FM 3615; ATEX (FLAMEPROOF - DEMKO), Ex III; NEMA Type 4X; IP66; UL 1203; CSA C22.2 No.308-CSA C22.2 No.25 FM 3615; ATEX (FLAMEPROOF - DEMKO), Ex III; NEMA Type 4X; IP66; UL 1203; CSA C22.2 No.308-CSA C22.2 No.25 FM 3615; ATEX (FLAMEPROOF - DEMKO), Ex III; NEMA Type 4X; IP66; UL 1203; CSA C22.2 No.308-CSA C22.2 No.25 FM 3615; ATEX (FLAMEPROOF - DEMKO), Ex III; NEMA Type 4X; IP66; UL 1203; CSA C22		13 x 6.5 ft @ 8.2 ft
Tilt adjustment angle:  ### Supply voltage:    12 - 24 VAC ±10%	EX WIDE	30 x 11 ft @ 21 ft
ELECTRICAL  Supply voltage: 12 – 24 VAC ±10% 12 – 24 VDC +30% / -10%  Transmitter frequency: 24.150 GHz  Transmitter radiated power: < 20 dBm EIRP  Transmitter power density: < 5 mW/cm2  Output: relay (free of potential change-over contact)  max. contact voltage 42 VAC / VDC  max. contact current 1 A (resistive)  max. switching power 30 W (DC): 60 VA (AC)  Output*: end-of-line resistor(s)**  max. switching power 1/8 Watt  Mains frequency: 50 – 60 Hz  Max. power consumption: < 2W  Anti-tamper (EX versions): 1/9 product anti-tamper (magnetic switch within cover, all when cover is unscrewed) 2) application-based anti-tamper (tamper allert via end-oline resistor)  Anti-tamper (EX-IT versions): product anti-tamper (magnetic switch within cover, allert when cover is unscrewed)  PHYSICAL  Temperature range: -22 – 140 °F  Housing certification: (Adalet / Scott Fetzer Co., UL Listing # E81696) UL Class I, DIV 1 Group BCD; Class II, DIV 1 Group EFG; Cl. III, NEMA Type 4X; IP66; UL 1203; CSA C22.2 No.30&CSA C22.2 No.25 FM 3615; ATEX (FLAMEPROOF - DEMKO), EX IIC, IEC60529  Dimensions: 9 in (L) x 7.5 in (W) x 5.5 in (H)  Materials: Copper-free aluminum (housing) Powder-coated steel (bracket)  Weight: 11 lbs  Cable length: 100 ft  Cable length: 100 ft  Cable diameter:  EX 0.216" (5-conductor cable)  EX-IT 0.234" (7-conductor cable)  ELectrical Access: 3/4" NPT pipe thread	Min. detection speed:	2 in/s (measured in optimal conditions)
Supply voltage:  12 – 24 VAC ±10% 12 – 24 VDC +30% / -10%  Transmitter frequency:  24.150 GHz  Transmitter radiated power:  29.0 dBm EIRP  Transmitter power density:  20 voltage:  20 voltage:  20 voltage:  20 voltage:  20 voltage:  20 voltage:  21 voltage:  22 vac / VDC  23 vac / VDC  24 vac / VDC  25 vac / VDC  26 vac / VDC  27 vac / VDC  28 vac / VDC  29 vac / VDC  20 vac / VDC  21 vac / VDC  22 vac / VDC  23 vac / VDC  24 vac / VDC  26 vac / VDC  27 vac / VDC  28 vac / VDC  29 vac / VDC  20 vac / VDC  20 vac / VDC  20 vac / VDC  20 vac / VDC  21 vac / VDC  22 vac / VDC  23 vac / VAC / VDC  24 vac / VDC  25 vac / VAC / VDC  26 vac / VDC  27 vac / VDC  28 vac / VDC  29 vac / VAC / VDC  29 vac / VDC  20 vac / VDC  20 vac / VAC / VDC  21 vac / VDC  22 vac / VAC / VDC  23 vac / Vac / VDC  24 vac / VDC  25 vac / Vac / VDC  26 vac / Vac / VDC  27 vac / Vac / VDC  28 vac / Vac / VDC  29 vac / Vac / VDC  20 vac /	Tilt adjustment angle:	-90 – 30° in elevation
Transmitter frequency:  Transmitter radiated power:  Transmitter radiated power:  Transmitter power density:  Output:  max. contact voltage  max. contact current  max. switching power  1 A (resistive)  1 A (re	ELECTRICAL	
Transmitter radiated power: < 20 dBm EIRP  Transmitter power density: < 5 mW/cm2  Output: relay (free of potential change-over contact)  max. contact voltage	Supply voltage:	
Transmitter power density: < 5 mW/cm2  Output: relay (free of potential change-over contact)  max. contact voltage	Transmitter frequency:	24.150 GHz
Output:  max. contact voltage max. contact voltage max. contact current max. switching power  Output*: max. switching power  Mains frequency:  Max. power consumption:  Anti-tamper (EX versions):  Anti-tamper (EX-IT versions):  PHYSICAL  Temperature range:  Housing certification:  (Adalet / Scott Fetzer Co., UL Listing # E81696) UL Class I, DIV 1 Group BCD; Class II, DIV 1 Group EFG; Cl. III; NEMA Type 4X; IP66; UL 1203; CSA C22.2 No.30&CSA C22.2 No.25 FM 3615; ATEX (FLAMEPROOF - DEMKO), Ex IIC, IEC60529  Dimensions:  9 in (L) x 7.5 in (W) x 5.5 in (H)  Materials:  Copper-free aluminum (housing) Powder-coated steel (bracket)  Weight:  11 lbs  Cable length:  CABLE (S-CAMPLIANCE)  Electrical Access:  COMPLIANCE  1 A (resistive) 1 A (resistive) 2 A (AC) 4 (AC	Transmitter radiated power:	< 20 dBm EIRP
max. contact voltage max. contact current max. switching power  30 W (DC); 60 VA (AC)  Output*: end-of-line resistor(s)** max. switching power  1/8 Watt  Mains frequency: 50 – 60 Hz  Max. power consumption: 2 W  Anti-tamper (EX versions): 1) product anti-tamper (magnetic switch within cover, al when cover is unscrewed) 2) application-based anti-tamper (tamper alert via end-oline resistor)  Anti-tamper (EX-IT versions): product anti-tamper (magnetic switch within cover, alert when cover is unscrewed)  PHYSICAL  Temperature range: 42 VAC / VDC 41	Transmitter power density:	< 5 mW/cm2
max. contact current max. switching power  30 W (DC); 60 VA (AC)  Output*: end-of-line resistor(s)** max. switching power  1/8 Watt  Mains frequency: 50 – 60 Hz  Max. power consumption: 4 (2W)  Anti-tamper (EX versions): 1) product anti-tamper (magnetic switch within cover, all when cover is unscrewed) 2) application-based anti-tamper (tamper alert via end-olline resistor)  Anti-tamper (EX-IT versions): product anti-tamper (magnetic switch within cover, alert when cover is unscrewed)  PHYSICAL  Temperature range: 4-22 – 140 °F  Housing certification: (Adalet / Scott Fetzer Co., UL Listing # E81696) UL Class I, DIV 1 Group BCD; Class II, DIV 1 Group EFG; Cl. III; NEMA Type 4X; IP66; UL 1203; CSA C22.2 No.30&CSA C22.2 No.25 FM 3615; ATEX (FLAMEPROOF - DEMKO), Ex IIC, IEC60529  Dimensions: 9 in (L) x 7.5 in (W) x 5.5 in (H)  Materials: Copper-free aluminum (housing) Powder-coated steel (bracket)  Weight: 11 lbs  Cable length: 10 oft  Cable diameter: EX 0.216" (5-conductor cable)  Electrical Access: 3/4" NPT pipe thread  COMPLIANCE	Output:	relay (free of potential change-over contact)
max. switching power  30 W (DC); 60 VA (AC)  Output*: end-of-line resistor(s)** max. switching power  1/8 Watt  Mains frequency: 50 – 60 Hz  Max. power consumption:  Anti-tamper (EX versions):  1) product anti-tamper (magnetic switch within cover, all when cover is unscrewed) 2) application-based anti-tamper (tamper alert via end-oline resistor)  Anti-tamper (EX-IT versions):  product anti-tamper (magnetic switch within cover, alert when cover is unscrewed)  PHYSICAL  Temperature range:  -22 – 140 °F  Housing certification:  (Adalet / Scott Fetzer Co., UL Listing # E81696) UL Class I, DIV 1 Group BCD; Class II, DIV 1 Group EFG; Cl. III; NEMA Type 4X; IP66; UL 1203; CSA C22.2 No.30&CSA C22.2 No.25 FM 3615; ATEX (FLAMEPROOF - DEMKO), Ex IIC, IEC60529  Dimensions:  9 in (L) x 7.5 in (W) x 5.5 in (H)  Materials:  Copper-free aluminum (housing) Powder-coated steel (bracket)  Weight:  11 lbs  Cable length:  100 ft  Cable diameter:  EX  0.216" (5-conductor cable)  EX-IT  0.234" (7-conductor cable)  Electrical Access:  3/4" NPT pipe thread  COMPLIANCE	max. contact voltage	42 VAC / VDC
Output*:     max. switching power  1/8 Watt  Mains frequency:  Max. power consumption:  Anti-tamper (EX versions):  1) product anti-tamper (magnetic switch within cover, alwhen cover is unscrewed) 2) application-based anti-tamper (tamper alert via endoline resistor)  Anti-tamper (EX-IT versions):  product anti-tamper (magnetic switch within cover, alert when cover is unscrewed) PHYSICAL  Temperature range:  -22 – 140 °F  Housing certification:  (Adalet / Scott Fetzer Co., UL Listing # E81696) UL Class I, DIV 1 Group BCD; Class II, DIV 1 Group EFG; Cl. III; NEMA Type 4X; IP66; UL 1203; CSA C22.2 No.30&CSA C22.2 No.25 FM 3615; ATEX (FLAMEPROOF - DEMKO), Ex IIC, IEC60529  Dimensions:  9 in (L) x 7.5 in (W) x 5.5 in (H)  Materials:  Copper-free aluminum (housing) Powder-coated steel (bracket)  Weight:  11 lbs  Cable length:  100 ft  Cable diameter:  EX  0.216" (5-conductor cable) EX-IT  0.234" (7-conductor cable)  Electrical Access:  3/4" NPT pipe thread  COMPLIANCE	max. contact current	1 A (resistive)
Mains frequency:  Max. power consumption:  Anti-tamper (EX versions):  Anti-tamper (EX versions):  Anti-tamper (EX-IT versions):  PHYSICAL  Temperature range:  Housing certification:  (Adalet / Scott Fetzer Co., UL Listing # E81696) UL Class I, DIV 1 Group BCD; Class II, DIV 1 Group EFG; Cl. III; NEMA Type 4X; IP66; UL 1203; CSA C22.2 No.30&CSA C22.2 No.25 FM 3615; ATEX (FLAMEPROOF - DEMKO), Ex IIC, IEC60529  Dimensions:  9 in (L) x 7.5 in (W) x 5.5 in (H)  Materials:  Copper-free aluminum (housing) Powder-coated steel (bracket)  Weight:  11 lbs  Cable length:  Cable diameter:  EX  0.216" (5-conductor cable)  EX-IT  0.234" (7-conductor cable)  Electrical Access:  3/4" NPT pipe thread  COMPLIANCE	max. switching power	30 W (DC); 60 VA (AC)
Mains frequency:  Max. power consumption:  Anti-tamper (EX versions):  1) product anti-tamper (magnetic switch within cover, all when cover is unscrewed) 2) application-based anti-tamper (tamper alert via end-oline resistor)  Anti-tamper (EX-IT versions):  product anti-tamper (magnetic switch within cover, alert when cover is unscrewed)  PHYSICAL  Temperature range:  -22 - 140 °F  Housing certification:  (Adalet / Scott Fetzer Co., UL Listing # E81696) UL Class I, DIV 1 Group BCD; Class II, DIV 1 Group EFG; Cl. III; NEMA Type 4X; IP66; UL 1203; CSA C22.2 No.30&CSA C22.2 No.25 FM 3615; ATEX (FLAMEPROOF - DEMKO), Ex IIC, IEC60529  Dimensions:  9 in (L) x 7.5 in (W) x 5.5 in (H)  Materials:  Copper-free aluminum (housing) Powder-coated steel (bracket)  Weight:  11 lbs  Cable length:  100 ft  Cable diameter:  EX  0.216" (5-conductor cable)  EX-IT  0.234" (7-conductor cable)  Electrical Access:  3/4" NPT pipe thread  COMPLIANCE	Output*:	end-of-line resistor(s)**
Max. power consumption:  Anti-tamper (EX versions):  1) product anti-tamper (magnetic switch within cover, al when cover is unscrewed) 2) application-based anti-tamper (tamper alert via end-oline resistor)  Anti-tamper (EX-IT versions):  product anti-tamper (magnetic switch within cover, alert when cover is unscrewed)  PHYSICAL  Temperature range:  -22 – 140 °F  Housing certification:  (Adalet / Scott Fetzer Co., UL Listing # E81696) UL Class I, DIV 1 Group BCD; Class II, DIV 1 Group EFG; Cl. III; NEMA Type 4X; IP66; UL 1203; CSA C22.2 No.30&CSA C22.2 No.25 FM 3615; ATEX (FLAMEPROOF - DEMKO), Ex IIC, IEC60529  Dimensions:  9 in (L) x 7.5 in (W) x 5.5 in (H)  Materials:  Copper-free aluminum (housing) Powder-coated steel (bracket)  Weight:  11 lbs  Cable length:  100 ft  Cable diameter:  EX  0.216" (5-conductor cable)  EX-IT  0.234" (7-conductor cable)  Electrical Access:  3/4" NPT pipe thread  COMPLIANCE	max. switching power	1/8 Watt
Anti-tamper (EX versions):  1) product anti-tamper (magnetic switch within cover, al when cover is unscrewed) 2) application-based anti-tamper (tamper alert via end-oline resistor)  Anti-tamper (EX-IT versions):  product anti-tamper (magnetic switch within cover, alert when cover is unscrewed)  PHYSICAL  Temperature range:  -22 - 140 °F  Housing certification:  (Adalet / Scott Fetzer Co., UL Listing # E81696) UL Class I, DIV 1 Group BCD; Class II, DIV 1 Group EFG; Cl. III; NEMA Type 4X; IP66; UL 1203; CSA C22.2 No.30&CSA C22.2 No.25 FM 3615; ATEX (FLAMEPROOF - DEMKO), Ex IIC, IEC60529  Dimensions:  9 in (L) x 7.5 in (W) x 5.5 in (H)  Materials:  Copper-free aluminum (housing) Powder-coated steel (bracket)  Weight:  11 lbs  Cable length:  100 ft  Cable diameter:  EX  0.216" (5-conductor cable)  EX-IT  0.234" (7-conductor cable)  Electrical Access:  7/4" NPT pipe thread	Mains frequency:	50 – 60 Hz
when cover is unscrewed) 2) application-based anti-tamper (tamper alert via end-oline resistor)  Anti-tamper (EX-IT versions):  product anti-tamper (magnetic switch within cover, alert when cover is unscrewed)  PHYSICAL  Temperature range:  -22 – 140 °F  Housing certification:  (Adalet / Scott Fetzer Co., UL Listing # E81696) UL Class I, DIV 1 Group BCD; Class II, DIV 1 Group EFG; Cl. III; NEMA Type 4X; IP66; UL 1203; CSA C22.2 No.30&CSA C22.2 No.25 FM 3615; ATEX (FLAMEPROOF - DEMKO), Ex IIC, IEC60529  Dimensions:  9 in (L) x 7.5 in (W) x 5.5 in (H)  Materials:  Copper-free aluminum (housing) Powder-coated steel (bracket)  Weight:  11 lbs  Cable length:  100 ft  Cable diameter:  EX  0.216" (5-conductor cable)  EX-IT  0.234" (7-conductor cable)  Electrical Access:  3/4" NPT pipe thread	Max. power consumption:	< 2W
when cover is unscrewed)  PHYSICAL  Temperature range:  -22 – 140 °F  Housing certification:  (Adalet / Scott Fetzer Co., UL Listing # E81696)	Anti-tamper (EX versions):	2) application-based anti-tamper (tamper alert via end-of-
Temperature range: -22 – 140 °F  Housing certification:  (Adalet / Scott Fetzer Co., UL Listing # E81696) UL Class I, DIV 1 Group BCD; Class II, DIV 1 Group EFG; Cl. III; NEMA Type 4X; IP66; UL 1203; CSA C22.2 No.30&CSA C22.2 No.25 FM 3615; ATEX (FLAMEPROOF - DEMKO), Ex IIC, IEC60529  Dimensions: 9 in (L) x 7.5 in (W) x 5.5 in (H)  Materials: Copper-free aluminum (housing) Powder-coated steel (bracket)  Weight: 11 lbs  Cable length: 100 ft  Cable diameter: EX 0.216" (5-conductor cable) EX-IT 0.234" (7-conductor cable)  Electrical Access:  3/4" NPT pipe thread	Anti-tamper (EX-IT versions):	product anti-tamper (magnetic switch within cover, alerts when cover is unscrewed)
Housing certification:  (Adalet / Scott Fetzer Co., UL Listing # E81696) UL Class I, DIV 1 Group BCD; Class II, DIV 1 Group EFG; Cl. III; NEMA Type 4X; IP66; UL 1203; CSA C22.2 No.30&CSA C22.2 No.25 FM 3615; ATEX (FLAMEPROOF - DEMKO), Ex IIC, IEC60529  Dimensions: 9 in (L) x 7.5 in (W) x 5.5 in (H)  Materials: Copper-free aluminum (housing) Powder-coated steel (bracket)  Weight: 11 lbs  Cable length: 100 ft  Cable diameter: EX 0.216" (5-conductor cable) EX-IT 0.234" (7-conductor cable)  Electrical Access: 3/4" NPT pipe thread	PHYSICAL	
UL Class I, DIV 1 Group BCD; Class II, DIV 1 Group EFG; Cl. III; NEMA Type 4X; IP66; UL 1203; CSA C22.2 No.30&CSA C22.2 No.25 FM 3615; ATEX (FLAMEPROOF - DEMKO), Ex IIC, IEC60529  Dimensions:  9 in (L) x 7.5 in (W) x 5.5 in (H)  Materials:  Copper-free aluminum (housing) Powder-coated steel (bracket)  Weight:  11 lbs  Cable length:  100 ft  Cable diameter:  EX  0.216" (5-conductor cable)  EX-IT  0.234" (7-conductor cable)  Electrical Access:  3/4" NPT pipe thread	Temperature range:	-22 – 140 °F
Materials:  Copper-free aluminum (housing) Powder-coated steel (bracket)  Weight:  11 lbs  Cable length:  100 ft  Cable diameter:  EX  0.216" (5-conductor cable) EX-IT  0.234" (7-conductor cable)  Electrical Access:  3/4" NPT pipe thread  COMPLIANCE	Housing certification:	UL Class I, DIV 1 Group BCD; Class II, DIV 1 Group EFG; Class III; NEMA Type 4X; IP66; UL 1203; CSA C22.2 No.30&CSA C22.2 No.25 FM 3615; ATEX (FLAMEPROOF - DEMKO), Ex d
Powder-coated steel (bracket)  Weight: 11 lbs  Cable length: 100 ft  Cable diameter:  EX 0.216" (5-conductor cable)  EX-IT 0.234" (7-conductor cable)  Electrical Access: 3/4" NPT pipe thread	Dimensions:	9 in (L) x 7.5 in (W) x 5.5 in (H)
Cable length: 100 ft  Cable diameter:  EX 0.216" (5-conductor cable)  EX-IT 0.234" (7-conductor cable)  Electrical Access: ¾" NPT pipe thread  COMPLIANCE	Materials:	
Cable diameter:  EX 0.216" (5-conductor cable)  EX-IT 0.234" (7-conductor cable)  Electrical Access: 3/4" NPT pipe thread  COMPLIANCE	Weight:	11 lbs
EX 0.216" (5-conductor cable) EX-IT 0.234" (7-conductor cable)  Electrical Access: 3/4" NPT pipe thread  COMPLIANCE	Cable length:	100 ft
EX-IT 0.234" (7-conductor cable)  Electrical Access: 3/4" NPT pipe thread  COMPLIANCE	Cable diameter:	
Electrical Access: 3/4" NPT pipe thread  COMPLIANCE	EX	0.216" (5-conductor cable)
COMPLIANCE	EX-IT	0.234" (7-conductor cable)
	Electrical Access:	³/ <sub>4</sub> " NPT pipe thread
Compliance R&TTE 1999/5/EC; EIVIC 2004/108/EC	COMPLIANCE Compliance	R&TTE 1999/5/EC; EMC 2004/108/EC

- \* output ratings may vary depending on optional end-of-line resistor values
- \*\* optional for EX-IT versions

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