

## MEDC Series



XB16



XB15 Pipe Mount (with cast guard)

These listed strobes have been designed for use in potentially explosive atmospheres and harsh environmental conditions. The enclosures are suitable for use offshore or onshore, where a lightweight product combined with corrosion resistance is required.

The housing is manufactured from a U.V. stable, glass reinforced polyester, with the lens manufactured from a U.V. stable polycarbonate. Stainless steel screws are used, ensuring a totally corrosion-free product.

The strobes contain supervisory diode and four wire leads for fire alarm applications. This strobe is also available UL 1971 (ADA) Listed for hearing impaired applications.

Units can be painted to customer specification and supplied with identification labels.

### Applications:

- Condition signaling
- Security alert
- Equipment obstruction warning
- Emergency evacuation signaling

### Features and Benefits:

- Pipe mount with 1/2" NPT entry
- Corrosion resistant GRP enclosure
- XB16 580,000 peak candlepower  
XB15 520,000 peak candlepower
- Polycarbonate lens, various colors available†
- 4 wire diode monitored board
- Optional relay initiate
- Optional lens guard

†UL 1971 version available with clear lens only (XB16 only).

\*Conforms to UL regulated voltage.

### Certifications and Compliances:

- UL Listed for USA and Canada
  - Hazardous locations for USA and Canada  
Class I, Div. 2, Groups A, B, C, D\*  
UL 1971 compliant version available
  - Ordinary locations: Visual Signal Device
- NEMA 4X and 6, IP66 & 67
- Certified temperature
  - 67°F to +158°F
  - 55°C to +70°C

### Typical Industries:

- Utility gas plants
- Wastewater treatment plants
- Mining
- Petroleum refineries
- Chemical and petrochemical
- Pulp and paper

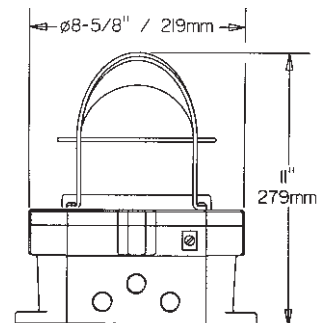
## MEDC Series

## XB4

## 21 Joule Xenon Strobe—Explosionproof



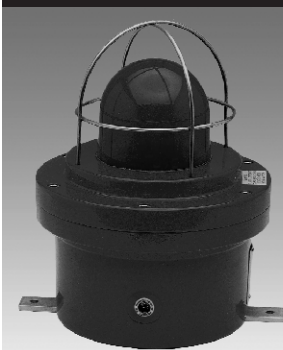
|  |   |
|--|---|
| <b>Certification<br/>UL Listed for:</b>  | cULus, ATEX<br>Class I, Div. 1, Groups C, D<br>Class I, Zone 1, AExd IIB T4, T5     |
| <b>Certified Ambient<br/>Temperature</b> | -67°F to +158°F<br>-55°C to +70°C   |
| <b>Ingress Protection</b>                | NEMA 4X & 6<br>IP66 & 67  |
| <b>Material</b>                          | Alloy   |
| <b>Entries</b>                           | Up to 3 × ½" or ¾" NPT, 20mm, 25mm  |
| <b>Weight</b>                            | 14.5lb/6.6kg  |
| <b>Options</b>                           | Body & lens color, lens guard, certification,<br>voltages 24V DC, 110V AC & 240V AC |



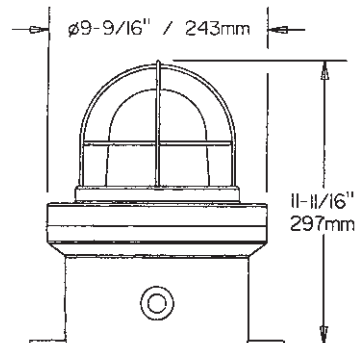
| Certification                                   | Voltage | Lens<br>Color | Ordering<br>Code | Cat. #                      | Standard Product<br>Configuration   |
|---|---------|---------------|------------------|-----------------------------|---|
| ATEX Approved Ex II 2G                          | 24V DC  | Red           | 814001           | <b>XB4BB8D2B3B06AN0RN1R</b> | 21 joules, 2 × M20 entries,<br>355Cd, 60 flashes per<br>minute, no labels, red finish             |
| ATEX Approved Ex II 2G                          | 240V AC | Red           | 814002           | <b>XB4BH8D2B3B06AN0RN1R</b> |   |
| UL, cUL Listed, Class I, Div. 1,<br>Groups C, D | 24V DC  | Red           | 869121           | <b>XB4ULB8D2E3E06ANRN1R</b> | Marine grade alloy, 2 × ¾"<br>NPT entries, no lens guard,<br>60 flashes per minute,<br>red finish |
| UL, cUL Listed, Class I, Div. 1,<br>Groups C, D | 24V DC  | Amber         | 869122           | <b>XB4ULB8D2E3E06ANAN1R</b> |   |
| UL, cUL Listed, Class I, Div. 1,<br>Groups C, D | 110V AC | Red           | 869125           | <b>XB4ULE8D2E3E06ANRN1R</b> |   |
| UL, cUL Listed, Class I, Div. 1,<br>Groups C, D | 110V AC | Amber         | 869126           | <b>XB4ULE8D2E3E06ANAN1R</b> |   |

## XB12

## 21 Joule Xenon Strobe—Hazardous Locations

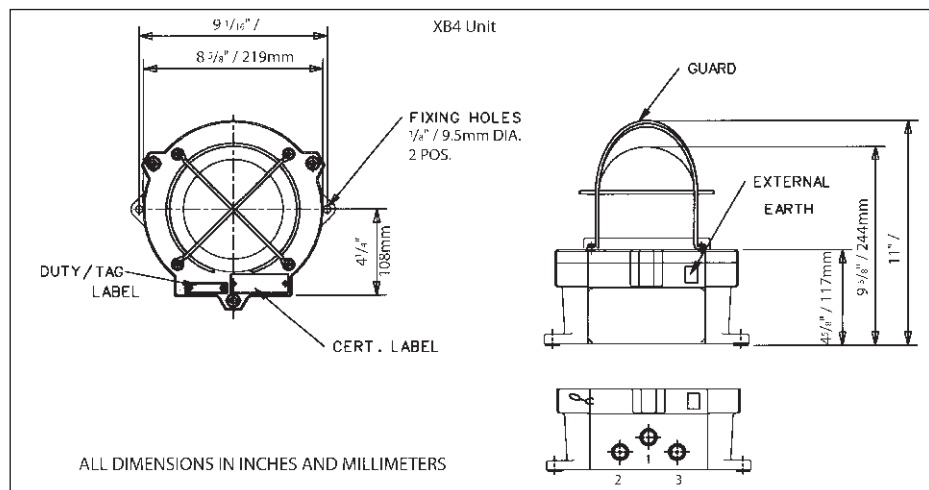


|  |  |
|--|--|
| <b>Certification<br/>UL Listed for:</b>  | cULus, ATEX<br>Class I, Div. 2, Groups C, D<br>Class I, Zones 1 & 2, AExd IIB T4 |
| <b>Certified Ambient<br/>Temperature</b> | -67°F to +158°F<br>-55°C to +70°C  |
| <b>Ingress Protection</b>                | NEMA 4X & 6<br>IP66 & 67   |
| <b>Material</b>                          | Corrosion-free GRP   |
| <b>Entries</b>                           | Up to 2 × ½" NPT, 20mm   |
| <b>Weight</b>                            | 15.5lb/7.0kg   |
| <b>Options</b>                           | Body & lens color, lens guard, certification,<br>voltages 24V DC, 110–254V AC    |



| Certification                                   | Voltage | Lens<br>Color | Ordering<br>Code | Cat. #                    | Standard Product<br>Configuration   |
|---|---------|---------------|------------------|---------------------------|---|
| ATEX Approved Ex II 2G                          | 24V DC  | Red           | 812101           | <b>XB12B02406RNBNNNN</b>  | 21 joules, 2 × M20 entries,<br>355Cd, 60 flashes per minute,<br>no labels, black body   |
| ATEX Approved Ex II 2G                          | 24V DC  | Amber         | 812102           | <b>XB12B02406ANBNNNN</b>  |   |
| ATEX Approved Ex II 2G                          | 240V AC | Red           | 812103           | <b>XB12B24006RNBNNNN</b>  |   |
| ATEX Approved Ex II 2G                          | 240V AC | Amber         | 812104           | <b>XB12B24006ANBNNNN</b>  |   |
| UL, cUL Listed, Class I, Div. 2,<br>Groups C, D | 24V DC  | Red           | 869181           | <b>XB12UL02406RNBNNNR</b> | Red painted GRP, no tag or<br>duty labels, 2 × ½" NPT, 60<br>flashes per minute, 355 Cd |
| UL, cUL Listed, Class I, Div. 2,<br>Groups C, D | 24V DC  | Amber         | 869182           | <b>XB12UL02406ANBNNNR</b> |   |
| UL, cUL Listed, Class I, Div. 2,<br>Groups C, D | 110V AC | Red           | 869185           | <b>XB12UL11006RNBNNNR</b> |   |
| UL, cUL Listed, Class I, Div. 2,<br>Groups C, D | 110V AC | Amber         | 869186           | <b>XB12UL11006ANBNNNR</b> |   |

## MEDC Series



## Specification—XB4 Unit

**Certification:** UL Listed for USA and Canada  
 – Hazardous locations:  
   Class I, Div. 1, Groups C, D  
   Class I, Zone 1, AExd IIB T4  
 UL Listing No. E187894  
 – Ordinary locations: Visual Signal Device  
 UL Listing No. S8128  
**ATEX approved:**  
 Exd IIC T5  
 Cert. No. Baseefa 02ATEX0224X

**Materials:** LM25TF Marine Grade Alloy body  
 Grade 316 ANC4B Stainless Steel body  
 Toughened Wellglass

**Finish:** Red epoxy paint finish as standard or to customer's specification

**Weight:** LM25: 14.5lb/6.6kg.  
 Stainless Steel: Add 18.5lb/8.5kg.

**Certified Temperature:** –67°F to +158°F  
 –55°C to +70°C

**Ingress Protection:** NEMA 4X & 6, IP66 & 67

**Terminals:** 8 off suitable for up to 8 AWG conductor size

**Entries:** Up to 3 × 1/2" or 3/4" NPT, 20mm, 25mm

| Voltage                       | DC     | AC 50/60Hz |        |
|-------------------------------|--------|------------|--------|
|                               | 24     | 110        | 240    |
| Tube Energy (joules)          | 21     | 21         | 21     |
| Peak Current Consumption (mA) | 1400   | 350        | 185    |
| Effective Intensity (Cd)      | 355    | 355        | 355    |
| Peak Intensity (Cd)           | 123691 | 123691     | 123691 |

**Note:** The above figures (Cd) are for a clear lens @ 1Hz flash rate.

## For Colored Lenses

| Color                            | Red  | Blue | Amber | Green | Yellow |
|----------------------------------|------|------|-------|-------|--------|
| Multiplying Factor (Approximate) | 0.15 | 0.12 | 0.51  | 0.49  | 0.86   |

The photometric data has been independently verified. A report is available if required.

## Ordering Requirements

The following code is designed to help in the selection of the correct unit. Build up the reference number by inserting the code for each component into the appropriate box.

| Model            | Type | Certification   | Voltage | Terminals     | Cable Entries | Flash Rate | Initiate Options | Lens Guard | Lens Color | Tag/Duty Label | Material | Finish  |  |         |      |             |    |               |      |                  |    |                  |      |              |    |                |      |            |    |            |      |  |  |  |  |       |      |     |   |    |   |  |  |   |  |       |      |     |   |      |   |       |   |        |   |       |   |       |   |  |  |  |  |          |      |       |   |                 |   |
|------------------|------|---|---------|---------------|---------------|------------|------------------|------------|------------|----------------|----------|---|--|---------|------|-------------|----|---------------|------|------------------|----|------------------|------|--------------|----|----------------|------|------------|----|------------|------|--|--|--|--|-------|------|-----|---|----|---|--|--|---|--|-------|------|-----|---|------|---|-------|---|--------|---|-------|---|-------|---|--|--|--|--|----------|------|-------|---|-----------------|---|
| <b>XB4</b>       |      |   |         | <b>8D</b>     |               | <b>06</b>  | <b>A</b>         |            |            | <b>N</b>       |          | <b>R</b>  |  |         |      |             |    |               |      |                  |    |                  |      |              |    |                |      |            |    |            |      |  |  |  |  |       |      |     |   |    |   |  |  |   |  |       |      |     |   |      |   |       |   |        |   |       |   |       |   |  |  |  |  |          |      |       |   |                 |   |
|                  |      | <table border="1"> <thead> <tr> <th>Certification</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>ATEX</td> <td>B</td> </tr> <tr> <td>UL</td> <td>UL</td> </tr> </tbody> </table>  |         | Certification | Code          | ATEX       | B                | UL         | UL         |                |          | <table border="1"> <thead> <tr> <th>Entries</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>1-M25 Entry</td> <td>1C</td> </tr> <tr> <td>2-M25 Entries</td> <td>2C3C</td> </tr> <tr> <td>1-3/4" NPT Entry</td> <td>1E</td> </tr> <tr> <td>2-3/4" NPT Entry</td> <td>2E3E</td> </tr> <tr> <td>1-20mm Entry</td> <td>1B</td> </tr> <tr> <td>2-20mm Entries</td> <td>2B3B</td> </tr> <tr> <td>1-1/2" NPT</td> <td>1D</td> </tr> <tr> <td>2-1/2" NPT</td> <td>2D3D</td> </tr> </tbody> </table> |  | Entries | Code | 1-M25 Entry | 1C | 2-M25 Entries | 2C3C | 1-3/4" NPT Entry | 1E | 2-3/4" NPT Entry | 2E3E | 1-20mm Entry | 1B | 2-20mm Entries | 2B3B | 1-1/2" NPT | 1D | 2-1/2" NPT | 2D3D |  |  | <table border="1"> <thead> <tr> <th>Guard</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Yes</td> <td>Y</td> </tr> <tr> <td>No</td> <td>N</td> </tr> </tbody> </table> |  | Guard | Code | Yes | Y | No | N |  |  | <table border="1"> <thead> <tr> <th>Color</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Red</td> <td>R</td> </tr> <tr> <td>Blue</td> <td>B</td> </tr> <tr> <td>Green</td> <td>G</td> </tr> <tr> <td>Yellow</td> <td>Y</td> </tr> <tr> <td>Amber</td> <td>A</td> </tr> <tr> <td>Clear</td> <td>C</td> </tr> </tbody> </table> |  | Color | Code | Red | R | Blue | B | Green | G | Yellow | Y | Amber | A | Clear | C |  |  | <table border="1"> <thead> <tr> <th>Material</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Alloy</td> <td>1</td> </tr> <tr> <td>Stainless Steel</td> <td>0</td> </tr> </tbody> </table> |  | Material | Code | Alloy | 1 | Stainless Steel | 0 |
| Certification    | Code |   |         |               |               |            |                  |            |            |                |          |   |  |         |      |             |    |               |      |                  |    |                  |      |              |    |                |      |            |    |            |      |  |  |  |  |       |      |     |   |    |   |  |  |   |  |       |      |     |   |      |   |       |   |        |   |       |   |       |   |  |  |  |  |          |      |       |   |                 |   |
| ATEX             | B    |   |         |               |               |            |                  |            |            |                |          |   |  |         |      |             |    |               |      |                  |    |                  |      |              |    |                |      |            |    |            |      |  |  |  |  |       |      |     |   |    |   |  |  |   |  |       |      |     |   |      |   |       |   |        |   |       |   |       |   |  |  |  |  |          |      |       |   |                 |   |
| UL               | UL   |   |         |               |               |            |                  |            |            |                |          |   |  |         |      |             |    |               |      |                  |    |                  |      |              |    |                |      |            |    |            |      |  |  |  |  |       |      |     |   |    |   |  |  |   |  |       |      |     |   |      |   |       |   |        |   |       |   |       |   |  |  |  |  |          |      |       |   |                 |   |
| Entries          | Code |   |         |               |               |            |                  |            |            |                |          |   |  |         |      |             |    |               |      |                  |    |                  |      |              |    |                |      |            |    |            |      |  |  |  |  |       |      |     |   |    |   |  |  |   |  |       |      |     |   |      |   |       |   |        |   |       |   |       |   |  |  |  |  |          |      |       |   |                 |   |
| 1-M25 Entry      | 1C   |   |         |               |               |            |                  |            |            |                |          |   |  |         |      |             |    |               |      |                  |    |                  |      |              |    |                |      |            |    |            |      |  |  |  |  |       |      |     |   |    |   |  |  |   |  |       |      |     |   |      |   |       |   |        |   |       |   |       |   |  |  |  |  |          |      |       |   |                 |   |
| 2-M25 Entries    | 2C3C |   |         |               |               |            |                  |            |            |                |          |   |  |         |      |             |    |               |      |                  |    |                  |      |              |    |                |      |            |    |            |      |  |  |  |  |       |      |     |   |    |   |  |  |   |  |       |      |     |   |      |   |       |   |        |   |       |   |       |   |  |  |  |  |          |      |       |   |                 |   |
| 1-3/4" NPT Entry | 1E   |   |         |               |               |            |                  |            |            |                |          |   |  |         |      |             |    |               |      |                  |    |                  |      |              |    |                |      |            |    |            |      |  |  |  |  |       |      |     |   |    |   |  |  |   |  |       |      |     |   |      |   |       |   |        |   |       |   |       |   |  |  |  |  |          |      |       |   |                 |   |
| 2-3/4" NPT Entry | 2E3E |   |         |               |               |            |                  |            |            |                |          |   |  |         |      |             |    |               |      |                  |    |                  |      |              |    |                |      |            |    |            |      |  |  |  |  |       |      |     |   |    |   |  |  |   |  |       |      |     |   |      |   |       |   |        |   |       |   |       |   |  |  |  |  |          |      |       |   |                 |   |
| 1-20mm Entry     | 1B   |   |         |               |               |            |                  |            |            |                |          |   |  |         |      |             |    |               |      |                  |    |                  |      |              |    |                |      |            |    |            |      |  |  |  |  |       |      |     |   |    |   |  |  |   |  |       |      |     |   |      |   |       |   |        |   |       |   |       |   |  |  |  |  |          |      |       |   |                 |   |
| 2-20mm Entries   | 2B3B |   |         |               |               |            |                  |            |            |                |          |   |  |         |      |             |    |               |      |                  |    |                  |      |              |    |                |      |            |    |            |      |  |  |  |  |       |      |     |   |    |   |  |  |   |  |       |      |     |   |      |   |       |   |        |   |       |   |       |   |  |  |  |  |          |      |       |   |                 |   |
| 1-1/2" NPT       | 1D   |   |         |               |               |            |                  |            |            |                |          |   |  |         |      |             |    |               |      |                  |    |                  |      |              |    |                |      |            |    |            |      |  |  |  |  |       |      |     |   |    |   |  |  |   |  |       |      |     |   |      |   |       |   |        |   |       |   |       |   |  |  |  |  |          |      |       |   |                 |   |
| 2-1/2" NPT       | 2D3D |   |         |               |               |            |                  |            |            |                |          |   |  |         |      |             |    |               |      |                  |    |                  |      |              |    |                |      |            |    |            |      |  |  |  |  |       |      |     |   |    |   |  |  |   |  |       |      |     |   |      |   |       |   |        |   |       |   |       |   |  |  |  |  |          |      |       |   |                 |   |
| Guard            | Code |   |         |               |               |            |                  |            |            |                |          |   |  |         |      |             |    |               |      |                  |    |                  |      |              |    |                |      |            |    |            |      |  |  |  |  |       |      |     |   |    |   |  |  |   |  |       |      |     |   |      |   |       |   |        |   |       |   |       |   |  |  |  |  |          |      |       |   |                 |   |
| Yes              | Y    |   |         |               |               |            |                  |            |            |                |          |   |  |         |      |             |    |               |      |                  |    |                  |      |              |    |                |      |            |    |            |      |  |  |  |  |       |      |     |   |    |   |  |  |   |  |       |      |     |   |      |   |       |   |        |   |       |   |       |   |  |  |  |  |          |      |       |   |                 |   |
| No               | N    |   |         |               |               |            |                  |            |            |                |          |   |  |         |      |             |    |               |      |                  |    |                  |      |              |    |                |      |            |    |            |      |  |  |  |  |       |      |     |   |    |   |  |  |   |  |       |      |     |   |      |   |       |   |        |   |       |   |       |   |  |  |  |  |          |      |       |   |                 |   |
| Color            | Code |   |         |               |               |            |                  |            |            |                |          |   |  |         |      |             |    |               |      |                  |    |                  |      |              |    |                |      |            |    |            |      |  |  |  |  |       |      |     |   |    |   |  |  |   |  |       |      |     |   |      |   |       |   |        |   |       |   |       |   |  |  |  |  |          |      |       |   |                 |   |
| Red              | R    |   |         |               |               |            |                  |            |            |                |          |   |  |         |      |             |    |               |      |                  |    |                  |      |              |    |                |      |            |    |            |      |  |  |  |  |       |      |     |   |    |   |  |  |   |  |       |      |     |   |      |   |       |   |        |   |       |   |       |   |  |  |  |  |          |      |       |   |                 |   |
| Blue             | B    |   |         |               |               |            |                  |            |            |                |          |   |  |         |      |             |    |               |      |                  |    |                  |      |              |    |                |      |            |    |            |      |  |  |  |  |       |      |     |   |    |   |  |  |   |  |       |      |     |   |      |   |       |   |        |   |       |   |       |   |  |  |  |  |          |      |       |   |                 |   |
| Green            | G    |   |         |               |               |            |                  |            |            |                |          |   |  |         |      |             |    |               |      |                  |    |                  |      |              |    |                |      |            |    |            |      |  |  |  |  |       |      |     |   |    |   |  |  |   |  |       |      |     |   |      |   |       |   |        |   |       |   |       |   |  |  |  |  |          |      |       |   |                 |   |
| Yellow           | Y    |   |         |               |               |            |                  |            |            |                |          |   |  |         |      |             |    |               |      |                  |    |                  |      |              |    |                |      |            |    |            |      |  |  |  |  |       |      |     |   |    |   |  |  |   |  |       |      |     |   |      |   |       |   |        |   |       |   |       |   |  |  |  |  |          |      |       |   |                 |   |
| Amber            | A    |   |         |               |               |            |                  |            |            |                |          |   |  |         |      |             |    |               |      |                  |    |                  |      |              |    |                |      |            |    |            |      |  |  |  |  |       |      |     |   |    |   |  |  |   |  |       |      |     |   |      |   |       |   |        |   |       |   |       |   |  |  |  |  |          |      |       |   |                 |   |
| Clear            | C    |   |         |               |               |            |                  |            |            |                |          |   |  |         |      |             |    |               |      |                  |    |                  |      |              |    |                |      |            |    |            |      |  |  |  |  |       |      |     |   |    |   |  |  |   |  |       |      |     |   |      |   |       |   |        |   |       |   |       |   |  |  |  |  |          |      |       |   |                 |   |
| Material         | Code |   |         |               |               |            |                  |            |            |                |          |   |  |         |      |             |    |               |      |                  |    |                  |      |              |    |                |      |            |    |            |      |  |  |  |  |       |      |     |   |    |   |  |  |   |  |       |      |     |   |      |   |       |   |        |   |       |   |       |   |  |  |  |  |          |      |       |   |                 |   |
| Alloy            | 1    |   |         |               |               |            |                  |            |            |                |          |   |  |         |      |             |    |               |      |                  |    |                  |      |              |    |                |      |            |    |            |      |  |  |  |  |       |      |     |   |    |   |  |  |   |  |       |      |     |   |      |   |       |   |        |   |       |   |       |   |  |  |  |  |          |      |       |   |                 |   |
| Stainless Steel  | 0    |   |         |               |               |            |                  |            |            |                |          |   |  |         |      |             |    |               |      |                  |    |                  |      |              |    |                |      |            |    |            |      |  |  |  |  |       |      |     |   |    |   |  |  |   |  |       |      |     |   |      |   |       |   |        |   |       |   |       |   |  |  |  |  |          |      |       |   |                 |   |
|                  |      | <table border="1"> <thead> <tr> <th>Voltage</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>24V DC</td> <td>B</td> </tr> <tr> <td>110V AC</td> <td>E</td> </tr> <tr> <td>240V AC</td> <td>H</td> </tr> </tbody> </table> |         | Voltage       | Code          | 24V DC     | B                | 110V AC    | E          | 240V AC        | H        |   |  |         |      |             |    |               |      |                  |    |                  |      |              |    |                |      |            |    |            |      |  |  |  |  |       |      |     |   |    |   |  |  |   |  |       |      |     |   |      |   |       |   |        |   |       |   |       |   |  |  |  |  |          |      |       |   |                 |   |
| Voltage          | Code |   |         |               |               |            |                  |            |            |                |          |   |  |         |      |             |    |               |      |                  |    |                  |      |              |    |                |      |            |    |            |      |  |  |  |  |       |      |     |   |    |   |  |  |   |  |       |      |     |   |      |   |       |   |        |   |       |   |       |   |  |  |  |  |          |      |       |   |                 |   |
| 24V DC           | B    |   |         |               |               |            |                  |            |            |                |          |   |  |         |      |             |    |               |      |                  |    |                  |      |              |    |                |      |            |    |            |      |  |  |  |  |       |      |     |   |    |   |  |  |   |  |       |      |     |   |      |   |       |   |        |   |       |   |       |   |  |  |  |  |          |      |       |   |                 |   |
| 110V AC          | E    |   |         |               |               |            |                  |            |            |                |          |   |  |         |      |             |    |               |      |                  |    |                  |      |              |    |                |      |            |    |            |      |  |  |  |  |       |      |     |   |    |   |  |  |   |  |       |      |     |   |      |   |       |   |        |   |       |   |       |   |  |  |  |  |          |      |       |   |                 |   |
| 240V AC          | H    |   |         |               |               |            |                  |            |            |                |          |   |  |         |      |             |    |               |      |                  |    |                  |      |              |    |                |      |            |    |            |      |  |  |  |  |       |      |     |   |    |   |  |  |   |  |       |      |     |   |      |   |       |   |        |   |       |   |       |   |  |  |  |  |          |      |       |   |                 |   |