

# Hazardous Area Switchboxes

## Circa 7010 & 7020 ATEX Approved

ATEX II EXPLOSION PROOF SWITCHBOX – EEXD IIC T4 [SIRA Certified]

### 7010



### 7020



### Technical Data

#### Certification

ATEX II 2GD  
Exd IIC T4 Ta = -5 to +80 °C  
Ex tD A21 IP6X T135 °C  
CSA – CE, UL, ATEX, IECEx

#### Mounting

Namur 80 x 30 mm  
Shaft height 20, 30 mm  
Namur 130 x 30 mm  
Shaft height 20, 30 mm

*Optional – Custom designed mounting for any application*

#### Electrical

2 x V3 SPDT (Single Pole Double Throw) Gold Plated switches with twist to set strikers  
250 VAC 10 Amps  
(24 VDC 0.5 Amps)  
Terminal Strip - 400 Volt 10 Amps  
External earth stud

*Optional: 4 x V3 switches and or 1 k Ohm pot, NJ2-V3-N Sensors*

#### Enclosure

2 x M2 Entries  
(Option 3 x M20 / ½" NPT)  
IP67 water & dust proof  
Epoxy coated LM 24 low corrosion aluminium housing  
Stainless steel shaft and fasteners  
Temperature Range:  
-40 to + 60 °C

#### Dimensions

Circa 7010:  
Height 3.21" (81.4 mm) x  
Length 5.73" (145.6 mm) x  
Width 4.92" (125.0 mm)

Circa 7020:  
Height 4.59" (116.7 mm) x  
Length 5.73" (145.6 mm) x  
Width 4.92" (125.0 mm)

#### Construction

Robust Body and Lid – LM24 Aluminium epoxy coated  
Shaft / Fasteners – stainless steel grade 303/A2  
Bearing – Bronze  
Cams – Lexan  
O-rings - Buna / EPDM  
(Circa 7020 Beacon – Lexan)

#### Operation

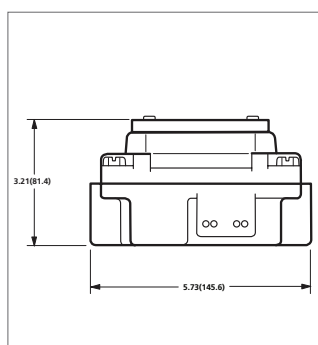
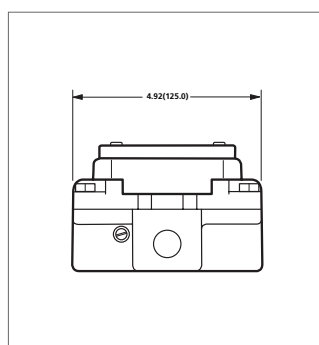
Guaranteed for 1,000,000 operations

#### Indication

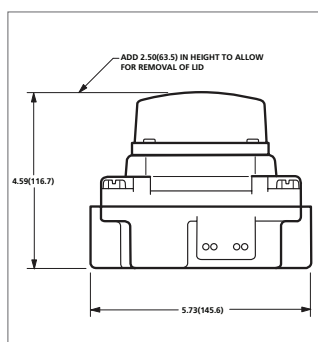
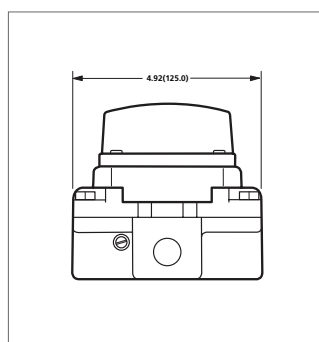
Circa 7010 - Clear visual open & close disc indication.

Circa 7020 - Beacon High Visibility, yellow/red for Open & Closed.

### Dimensional Data - 7010



### Dimensional Data - 7020



### Part Description

| Part Description          | Models  | Part no.                               |
|---------------------------|---------|----------------------------------------|
| CIRCA 7010A & CIRCA 7020A | 111 100 | 2 x Gold SPDT V3 Switches              |
| CIRCA 7010A & CIRCA 7020A | 211 100 | 4 x Gold SPDT V3 Switches              |
| CIRCA 7010A & CIRCA 7020A | 311 100 | 2 x Gold SPDT V3 Switches 1 K ohm pot. |
| CIRCA 7010A & CIRCA 7020A | 411 100 | 4 x Gold SPDT V3 Switches 1 K ohm pot. |
| CIRCA 7010A & CIRCA 7020A | 511 100 | 2 x Pepperl & Fuchs NJ2V3-N Sensors    |



### Features

- IP67 Rated
- Corrosion Resistant
- Quick Set Cams
- 2 cable entries M20
- EZ View Beacon Indicator
- Includes mounting bracket

### Technical Data

#### Enclosure

IP67 – Water/Dust Resistance  
Nema 4 X 2 x M20 Cable Entries

#### Mounting

80 x 30 mm x 20 mm high  
Mounting kit supplied as standard  
Other mounting kits available on request

#### Electrical

2 x V3 SPDT Switches  
(250 VAC 10 Amps)  
Sensors (P + FV3) Optional

#### Dimensions

87W x 112L x 72H (mm)

#### Position indicator

0 - 90°  
Close / Red  
Open / Yellow

#### Fasteners

Captive cover bolts

#### Construction

Main Housing – Aluminium powder coated  
Cover – Aluminium powder coated  
Beacon - Polycarbonate  
Main Shaft – Stainless steel  
Cams- Polycarbonate  
Fasteners – Stainless steel  
O-rings – Nitrile

#### Ambient temperature rating

-20 to 80 °C

#### Terminals

8 Terminals 0.08 - 2.5 mm

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