Intrinsically Safe LED Visual Status Indicator

Model WVL-IS

Model WVL-IS is a compact status indicator with an array of six high output LED's. Approvals include ATEX and IECEx for Zone 0 applications and FM approval for Class I Division 1 and Class I Zone 0 applications.

The WVL-IS is suitable for all intrinsically safe signalling applications including fire, security and process control.
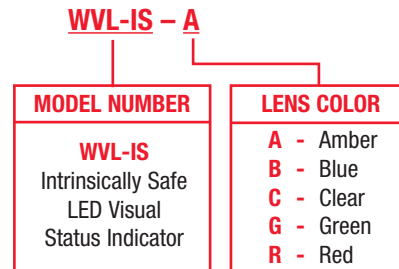
FEATURES:

- Input overload and reverse current protection

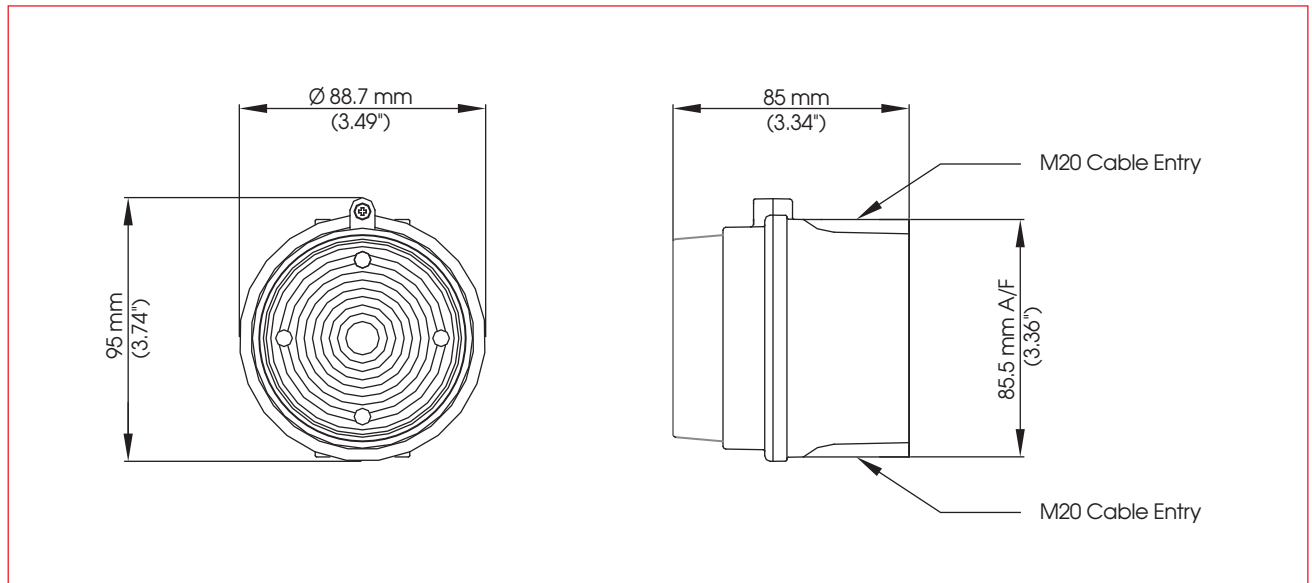- Fresnel lens optimizes LED effectiveness

APPROVALS:

- ATEX certificate: Sira10ATEX2102X
  EN 60079-0 : 2006   EN 60079-11 : 2007
  EN 60079-26 : 2007

- IECEx certificate: IECEx SIR 10.0046X
  IEC 60079-0 : 2007   IEC 60079-11 : 2006
  IEC 60079-26 : 2006

- FM approved
  Class 3600 1998   Class 3610 1999
  Class 3810 2005

Model	Voltage	Voltage Range	Operating Current
WVL-IS	24VDC	16-28VDC	25mA

HOW TO ORDER

WVL-IS – A

MODEL NUMBER	LENS COLOR
WVL-IS Intrinsically Safe LED Visual Status Indicator	**A -** Amber **B -** Blue **C -** Clear **G -** Green **R -** Red

INTRINSICALLY SAFE LED VISUAL STATUS INDICATOR (WVL-IS)

Ø 88.7 mm (3.49")
95 mm (3.74")
85 mm (3.34")
85.5 mm A/F (3.36")
M20 Cable Entry
M20 Cable Entry

SPECIFICATIONS

ATEX / IECEx / FM:	II 1G Ex ia IIC T4 Ga (-40oC <=Ta<= +60°C)
	IS Class I, Zone 0, AEx ia IIC T4
	IS Class I, Division 1, Groups A, B, C, D
Light source:	Array of 6 high intensity LEDs
LED colors:	Amber, Blue, Clear, Green & Red
Flash modes:	Double flash at 2Hz and 1Hz
Voltage:	16-28VDC via Zener barrier or galvanic isolator
Current:	25mA typical when powered from 24V supply via 28V 300 Ohm Zener barrier
Ingress protection:	IP65
Rating:	Continuous
Housing material:	UL94V0 & 5VA FR ABS & PC
Housing color:	RAL3000 Red
Fixings:	Stainless Steel
Cable entries:	2 x M20 clearance gland knockouts. Custom configurations also available.
Terminals:	0.001 to 0.098" 0.5 to 2.5mm²
Operating temp:	-104ºF to +140ºF -40ºC to +60ºC
Storage temp:	-104ºF to +158ºF -40ºC to +70ºC
Relative humidity:	90% at 68ºF 90% at 20ºC
Product weight:	0.20Kg
Shipping weight:	0.35Kg

Also available as a combined alarm sounder and LED beacon the WAV-IS unit.

May be powered from any certified Zener barrier or galvanic isolator whose output parameters do not exceed:

Uo: 28VDC

Io: 660mA

Po: 1.2W