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LED Illuminated Warning Signs (IWS)

Product Description

The new range of high-quality single, twin, and triple channel illuminated warning signs employ the very latest in LED technology to provide a high reliability, high brightness warning indication.





The brightness of the sign remains constant over its entire operating range which ensures that even with a system running on depleted batteries, all signs remain at full intensity.

A range of standard text signs are available and customised text are easily accommodated due to the unique method employed to apply the lettering. The examples shown are product types and not specific part numbers. Please contact our sales team for more information.



The split-level design allows one message to be displayed in the top half of the sign and an additional message to be displayed in the bottom half of the sign allowing for two stage warnings.

Fully earthed, Class 1 equipment for equipotential bonding and touch voltages.

They can be seamlessly integrated into laser interlocking and x-ray safety protection systems.

Product Type	Range (examples)	Dimensions
	IWS-11-F	Overall Size: 105h x 355w x 9d Wall Cutout: 90h x 337w x 66d 20mm Conduit Knockouts
	IWS-22-F	Overall Size: 192h x 355w x 9d Wall Cutout: 177h x 337w x 66d 20mm Conduit Knockouts
	IWS-33-F	Overall Size: 279h x 355w x 9d Wall Cutout: 264h x 337w x 66d 20mm Conduit Knockouts
	IWS-11-S	Overall Size: 105h x 355w x 75d 20mm Conduit Knockouts



	IWS-11-SL	Overall Size: 105h x 355w x 75d 20mm Conduit Knockouts
	IWS-22-SL	Overall Size: 192h x 355w x 75d 20mm Conduit Knockouts
	IWS-33-SL	Overall Size: 279h x 355w x 75d 20mm Conduit Knockouts

Electrical & Environmental

Input Voltage	230V AC $\pm 10\%$
Input Frequency	50Hz
Operating Current (I)	0.036 Per LED
Internal Fuse	Internal Rating: 2A
	Maximum Rating: 13A, 250V AC, 50Hz
Storage Temperature Range	-25°C to +40°C
Operating Temperature Range	-5°C to +30°C
Humidity Rating	5-95% Relative Humidity (Non-Condensing)
Ingress Protection Rating	IP20
Construction	1mm Galvanized Steel, anti-bacterial RAL9010-TLAB-S Powder Coat



Product legislation and standards of conformity

EU Ref	EU Title	UK Ref	UK Title
2014/ 35/EU	Low Voltage Directive	2016/ 1101	Electrical Equipment (Safety) Regulations 2016
2014/ 30/EU	Electromagnetic Compatibility Directive	2016/ 1091	Electromagnetic Compatibility Regulations 2016
2011/ 65/EU	Restriction of Hazardous Substances (RoHS) Directive	2012/ 3032	The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012

Reference	Title	Edition
EN IEC 60598-1	Luminaires. General requirements and tests	2021+A11:2022
EN IEC 60598-2-25	Luminaires. Particular requirements. Luminaires for use in clinical areas of hospitals and health care buildings	1995
EN IEC 55015	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment	2019+A11:2020
EN IEC 61547	Equipment for general lighting purposes. EMC immunity requirements	2023
EN IEC 63000	Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances	2018
HTM 06-01 Part A	Health Technical Memorandum 06-01 - Part A: Electrical services supply and distribution.	2017

