In-Cab Display Version 1.0

OUTLINE

The SCAN~LINK Armour System™ In-Cab Display is the 'face' of the SCAN~LINK™ system. When paired with an Antenna, it alerts the operator to tagged pedestrians or objects detected by the Antenna with an adjustable-volume beeper and flashing red lights. The connection between Antenna and In-Cab Display is wireless, with a line-of-sight range in excess of 600 feet (200 metres). Installation is a fast process, requiring only a power hook-up, and the Display can be attached to any available surface in the operator's cabin via an industrial-grade hook-and-loop fastener.

The SCAN~LINK Armour System™ finds uses in other fields as a proximity sensor, for personnel tracking, asset location and gate access controls.

In-Cab Display 1.0 Units are EOL (End-Of-Life) as of June, 2016. Warranty claims will persist 13 months from sale date. Repairs will still be made after the warranty period has expired. **There are no user-serviceable parts inside.** If you wish to inquire about the warranty status of your unit, please contact us at info@scan-link.com.

MODELS

There's only one SCAN~LINK Armour System™ In-Cab Display Unit:

SLDU-005SR	**Standard In-Cab Display Unit** Three-wire hook-up, hook-and-loop fastener	

SPECIFICATIONS

Absolute Specifications - ***Exceeding these may damage the unit!***

Item	Minimum	Maximum	Notes
Input Voltage	+9 VDC	+34 VDC	Do not attempt to operate outside nominal 12-28VDC
Operating Temperature	-20º C	50º C	
Storage Temperature	-30º C	80º C	
Ingress Protection	IP52		Indoor Use Only
Reverse Polarity Protected	Yes		100V/1A
Voltage Spike Withstand	75V @ 5A		

Physical Specifications

Item	Metric (mm)	Imperial (in)	Notes
Height	35 mm	1 3/8”	
Length	75 mm	3”	
Minimum Install Depth	95 mm	3 3/4”	Clearance for wire bend
Width	100 mm	4”	
Wire Length	2130 mm	84”	Last 3” (75 mm) are stripped back
Hook-and-Loop Thickness	5 mm	1/4”	
Casing	Black ABS		UL945VA Rated
Power Connector	3-Wire, 18ga		Bare Wire
Min. Install Distance from Operator	200 mm	8”	
Beeper Max Volume @ 12VDC	88 dBa		Measured @ 200 mm (8”), Typical
Beeper Max Volume @ 24VDC	99 dBa		Measured @ 200mm (8”), Typical

Electrical Specifications

Item	Minimum	Maximum	Notes
Nominal Input Voltage (VCC)	+12 VDC	+28 VDC	
Input Current @ 12 VDC	90 mA		Nominal
Input Current @ 24 VDC	50 mA		Nominal
Recommended External Fuse	1A		
Internal Fuse	750mA		Auto-resetting
Reverse Input Trigger Voltage*	6.5 VDC	VCC	Opto-isolated
Reverse Input Current Draw*	1.5 mA	6 mA	Resistor limited
Wireless Link Frequency	2400 MHz	2483MHz	North American unlicensed band
Industry Canada ID	8254A-ZIC24103		Under California Eastern Laboratories
FCC ID	W7Z-ZIC2410P3		Under California Eastern Laboratories

Reverse Trigger Note

The Reverse Trigger (Orange) wire may be *optionally* tied to a reverse signal and used in place of the Antenna’s reverse signal. However, operation in this mode requires additional configuration with RapidPair™ and has no function whatsoever until the appropriate settings are changed.

Cable Specifications

Power Cable	**Red Wire** Power Supply	VCC (+12-28VDC)
	Black Wire Power Supply	VDD (-) Equipment Ground
	Orange Wire Reverse Input	Reverse Input

Compatibility Specifications

RapidPair™	RapidPair 1.11 Dongle Only
Antenna	Antenna v1.0

DISCLAIMER

The SCAN~LINK Armour System™, including In-Cab Display version 1.0, is not 'safety rated' and thus cannot be relied on as front-line defense against equipment-to-pedestrian or equipment-to-object strikes. It is intended as a supplementary safety system only, to improve operator and pedestrian awareness and to help 'fill in' blind spots. There is no replacement for proper training and operation of equipment. The SCAN~LINK Armour System™ is designed to augment existing site safety practices and policies, to further inhibit the chances of worker injuries and fatalities. Remember, pedestrians will not be detected if they are not wearing functioning, SCAN~LINK™ tagged safety wear. All employees and visitors to any operations site should be trained in the functionality of the SCAN~LINK Armour System™ and be fully aware of their surroundings while on site.

The SCAN~LINK Armour System's™ installation, operation and maintenance, in all its forms, is covered by various legal documents, disclaimers and procedures, all of which are available upon request. By using the SCAN~LINK Armour System™ or any of it's components, you are bound to adhere to the conditions and practices outlined therein.

MORE INFORMATION

For more information please contact us via one of the methods below:

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