SCAN~LINK

armour

DISPLAY UNIT

ANTENNA

RFID TAGGED HARD HAT

RFID TAGGED SAFETY VEST

ARMOUR: THE BACKUP SYSTEM THAT DETECTS PEOPLE RATHER THAN OBJECTS

The Armour System utilizes RFID (radio frequency identification) to alert the driver of the reversing vehicle* that a ground worker is behind them and extra caution is required.

Ground workers wearing an Armour equipped Safety Vest and Hard Hat will be detected via the RFID tags discretely installed in the apparel. What makes the Armour System™ unique is that any vehicle equipped with an Armour Antenna will detect any ground worker, on any jobsite, wearing an Armour equipped Safety Vest and Hard Hat.

COMPANY OWNERS

Invest in one system that will protect not only your ground workers, but also contractors and visitors to your work site. All they need is an Armour equipped Safety Vest and Hard Hat to ensure that your equipment operators will know they are behind them while in reverse.

GROUND WORKERS

By wearing the Armour equipped Safety Vest and Hard Hat you allow yourself to be detected by the Armour Antenna. This will alert the operator that you are behind them – even if you are in the blind spot of the equipment.

VEHICLE OPERATORS

The Armour System eliminates the false positives common with other obstacle detection systems. This means the system will notify you only if an Armour equipped Safety Vest and Hard Hat is behind your vehicle, avoiding false alarms. When the Armour Display alerts you – you can be sure that there is a ground worker behind your vehicle.

*Vehicle must be equipped with the Armour System antenna.

SYSTEM OVERVIEW & SPECIFICATIONS

ANTENNA

Housed in a rugged and sealed weatherproof enclosure the beam-shaping antenna monitors the area behind the vehicle. The antenna system is designed to detect authentic next-generation SCAN~LINK Construction Safety Apparel and uses a reliable wireless link to relay its information to a display unit located near the equipment operator.

TECHNICAL SPECIFICATIONS

OPERATING VOLTAGE:	12VDC – 28VDC nominal	RFID FREQUENCY:	902.3MHz – 927.7MHz
POWER CONSUMPTION:	7.5W	WIRELESS LINK:	2.4GHz
POWER SOURCE:	Ignition and reverse signal	TYPICAL RANGE:	3 meters
TEMPERATURE:	-40°C to +85°C	RoHS COMPLIANT:	Yes

DISPLAY UNIT

The hardy and compact Display Unit uses both a bright visual display (LEDs) and an audible alarm (adjustable volume) to alert the equipment operator when Armour safety apparel is detected. The visual display is always active while the audible alarm is enabled only when the equipment is in reverse. The Display Unit is linked wirelessly to the antenna and regular self-diagnostic checks ensure that the link to the antenna is present and the system is functioning normally.

TECHNICAL SPECIFICATIONS

OPERATING VOLTAGE:	12VDC – 28VDC nominal	WIRELESS LINK:	2.4GHz
POWER CONSUMPTION:	1W	VOLUME CONTROL:	Pushbutton Select
POWER SOURCE:	Ignition and reverse signal	RoHS COMPLIANT:	Yes
TEMPERATURE RABGE:	-40°C to +85°C		

RFID TAGGED VEST AND HARD HAT

Each Armour Safety Vest features a five-way tear-away Velcro™ design with 14 strategically positioned RFID tags for reliable detection. These highly visible vests are a bright fluorescent yellow-green color and highlighted with 3M Scotchlight™ reflective markings. Made from a durable 100% polyester material the vests are comfortable, lightweight and meet both CSA Z96-02 Class 2 Level 2 and ANSI/ISEA 107–2004a standards.

Combine the vest with the Hard Hat Armour kit which provides another 10 RFID tags to further enhance detection of the wearer.

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FOR FURTHER INFORMATION PLEASE CONTACT US AT:

1374 SANDHILL DRIVE, ANCASTER, ONTARIO, CANADA L9G 4V5
TEL 416 949 0449 FAX 905 319 3433 EMAIL INFO@SCAN-LINK.COM
WWW.SCAN-LINK.COM