PROTECTIVE
ENGINEERED SAFETY

SAFETY FIRST, PRODUCTIVITY ALWAYS

THE PROTECTIVE SHIELD ADVANTAGE

Deploy state-of-the-art safety measures to enhance safety and prevent crush hazards in MEWP operations

Elevate workplace safety with Protective's cutting-edge Protective Shield, a revolutionary solution that utilizes advanced ultrasonic sensing and control technology to detect potential hazards before they occur.

With seamless integration into existing MEWP controls and a compact, robust design, Protective Shield offers comprehensive protection without compromising productivity.

Revolutionizing Safety, Enhancing Efficiency

- Utilizing ultrasonic sensors, Protective Shield identifies hazards before incidents occur.
- The system seamlessly interfaces with existing EWP controls, enhancing safety measures.
- Multiple-sensor capability provides thorough coverage of potential hazards.
- LED indicators and a siren alert the operator when a hazard is detected, preventing accidents.
- Using the Shield App, customise settings to make suitable for specific job site environments.
- Enhanced Safety Measures: Protective Shield's Override function allows the operator to get into tight corners when necessary.

Key Highlights

- Reliable Hazard Detection
- Advanced Proximity Control
- Operator Alert System
- iOS and Android App Access
- Customizable Settings
- Comprehensive Coverage
- Seamless Integration
- Easy to operate
- Improved Productivity
- Reliable Performance

Technical Specification

Specification	Value
Sensor Specification	
Supply Voltage	3.3V
Average Current Draw	65mA (@3.3V)
Communications	LIN-BUS
Max. Nodes per Bus	8
Sensing Range	- 280mm Min. - 4500mm Max.
Size	- 77L x 55W x 32H (L, R, D-Models),
	- 77L x 67W x 32H (B-Model)
Net Weight	110 grams
Mounting	- Four mounting points - M3.5 Screws or M4 Bolts - Brackets provided or supplied by customer
Operator Panel	
Supply Voltage	12-24V
Average Current Draw	11mA (@12V), 6mA (@24V)
Communications	LIN-BUS
Max. Nodes per Bus	1
Size	121L x 54W x 33H
Net Weight	135 grams
Mounting	- Four mounting points, M3.5 Screws or M4 Bolts
Master Control Unit	
Power	12- or 24-volt automotive (4.8 – 40 VDC) Max 100mA
Internal Power Hold-up	5 seconds for orderly user alert and shutdown
Operator Interface	GUI via Bluetooth® to Android® or iOS® device
Communications	LIN-BUS, CAN-BUS
LIN-BUS Limitations	Max 8 Nodes, Max 40m length
Internal Lockout Contact	240VAC / 220VDC contact Rating, 3A contact current Max.
Open Drain Outputs	Sink, 2.5A 60VDC max (interface to ext. lamps, sounders etc.)
Size	122L x 83W x 40H not including space for cable exits
Net Weight	300 grams
Mounting	Four mounting points, M6 hard-mounted