



**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 MEWP 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



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