

Data Sign – PTL-Stop-n-Go Manufacturer (OEM) Plant Risk Assessment

This risk assessment document is provided by Data Signs as the manufacturer of this plant equipment. Data Signs recommends that customers complete their own risk assessment for plant operation as part of their operating procedures.

The Data Sign-PTL-Stop-n-Go are manufactured by Data Signs Pty Ltd to comply with Australian standards AS 4191:2015 and local state requirements TSI-SP-059 and MRTS264.

Purpose for which the Data Sign-PTL-Stop-n-Go is designed:

The Data Sign-PTL-Stop-n-Go are Tripod mounted portable Traffic Lights specifically used as a traffic management and/or driver control application. This includes road safety to control incidents, roadworks, and travel times.

The use of the PTL-Stop-n-Go on public roads is subject to regulation, check with the appropriate traffic control or roads authorities, or local council requirements. *Guidance for the use of the Variable message sign is provided in Part 3 of AS 1742.3, Manual on uniform traffic control devices.*

Operator Requirements: The operators of this plant must be trained and competent in the use of this equipment. The Operations & Maintenance Manual supplied with each plant should be read and understood and followed. This document should be stored in the Battery box compartment of the PTL-Stop-n-Go. Regular servicing of the equipment prevents machine damage and interruption to the usage of the mobile plant. The servicing standards are outlined in the Operations & Maintenance Manual.

Fire and Hazard Risk from Batteries: The Data Sign-PTL-Stop-n-Go are fitted with Lithium Polymer Batteries. Under normal conditions of use, no gases are released. However, when the batteries are overheated, they may release gas which is flammable. NO SMOKING near this equipment. The Material Safety Data Sheet for the battery is available upon request.

Safety Assessment of equipment assembly: Operator ease of use and safety of the PTL-Stop-n-Go Equipment. Careful consideration was given to the 'on-site' assembly of the PTL-Stop-n-Go. Only a single person is required to safely assemble and operate the equipment.

The Tripod stand design is lightweight, easy to setup using slide and spring clip locking process for assembly.

The Battery compartment is placed at the BASE of the Tripod thus providing good centre of gravity of the equipment and no assembly strain to lift this part of the equipment.

The Light housing is made from ABS Plastic which while lightweight is strong and durable. To assemble this to the Tripod stand is a simple process of lifting and locking it in with a Spring pin.

Target Board: If a Target board is required. (Mandatory for NSW) this is also a simple 3 step process and easily carried out without strain to the operator.

Connection of cabling. The cabling is stored inside the Tri-pod assembly itself and simply plugged in and secured once all the equipment elements are set-up. Further the connectors are secured by a locking nut to prevent it coming out during operation.

Equipment options: Because the equipment is lightweight in design and for set-up, sandbags are required to keep the equipment stable for wind loading. The sandbag requirement is stipulated on the equipment itself (as Labels) and is dependant on whether Target boards or fitted or not.

Data Signs has provided an equipment option for the Tripod stand that will allow an alternative method for stabilising the Tripod. These are Tripod feet that will allow pegs to be placed through them to fix the Tripod directly to the ground (terrain type permitting)