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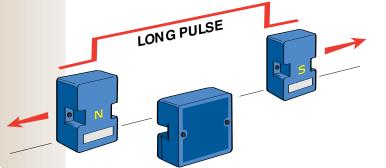
INSTALLATION & OPERATING DATA



1 APPLICATION

Vehicle counting, vehicle location, loco zoning shores.

Machine traverse and position detection overtravel,
ultimate limits.



Ideal for Intrinsically Safe and Hazardous Area applications.

A pair of magnets, North and South poles, can be used together to obtain an extended pulse length. The lengths of pulse is directly related to the distance between the two magnets.

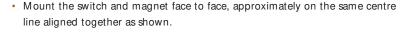
2 PRINCIPLE OF OPERATION

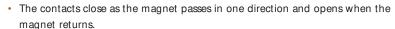
The TX1013 Proximity Switch contains a sealed magnetic reed switch in a robust environmental proof housing.

The reed switch is positioned in an accurately balanced magnetic circuit and will respond to an external operating magnet, latching 'on' when the magnet passes in one direction and re-setting 'off' when the magnet returns (bistable). No auxiliary electrical supply is needed and the switch will retain its last 'set' under power failure.

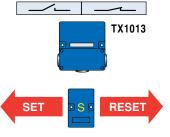
3 INSTALLATION

The TX1004 Magnetic Proximity Switch should be used in conjunction with a standard Trolex Operating Magnet (Order Ref. TX1080).

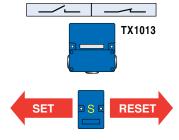




Direction of operation is determined by using either a north pole magnet or a south pole magnet, or simply by inverting the switch housing.







TX1081.S MAGNET

SET

RESET

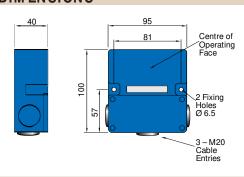






INSTALLATION & OPERATING DATA

4 DIMENSIONS



ALL DIMENSIONS IN MM

5 TECHNICAL DETAILS

Temperature Limits:	–20100°C.
Protection Classification:	Dust and waterproof to IP65.
Housing Material:	Glass reinforced polycarbonate.
Operating Distance:	80mm maximum with TX1081 Magnet. This may be reduced by any surrounding metalwork in close proximity.
Nett Weight:	1.0Kg.

6 ELECTRICAL DETAILS

Connections:

Contact Rating: 230V ac, 2A, 50W.



The contacts are suitable for direct switching of small inductive loads such as control relays. Contact protection must be provided to ensure these instantaneous ratings are not exceeded, especially during any peak in-rush or surge conditions which may be present in the circuit – we can advise.

7 PRECAUTIONS

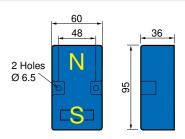
DO NOT use inductive test buzzers, bells, or incandescent lamps on the contacts. Current in-rush and voltage spikes may damage the contacts.

8 ACCESSORIES

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TX1081.N OPERATING MAGNET

TX1081.S OPERATING MAGNET



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